

## Result

Report Number	Sample Name	Sample Number	Test Standard

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.0000 , 0.0000	
Correlated Color Temperature	K	0	
Ra		0	
Power Factor		0.992	
Input Voltage	V	220.02	
Input Current	A	5.465	
Input Watt	W	1193.2	
Lamp Flux	lm	152008.9	
Efficient	lm/W	127.40	
luminous Intensity (Max , Center)	cd	2102175 , 2102175	
Illuminance	lx	2102175	1 m
		525544	2 m
		233575	3 m

\* This test result is for the sample provided by the client.

\* Sample photo

Click to load image

Luminaire

Lamp

No. of lamps	1	Voltage (V)	220.02
Lamp flux (lm)	152009	Current (A)	5.4652
Total flux (lm)	152009	Power Factor	0.9923

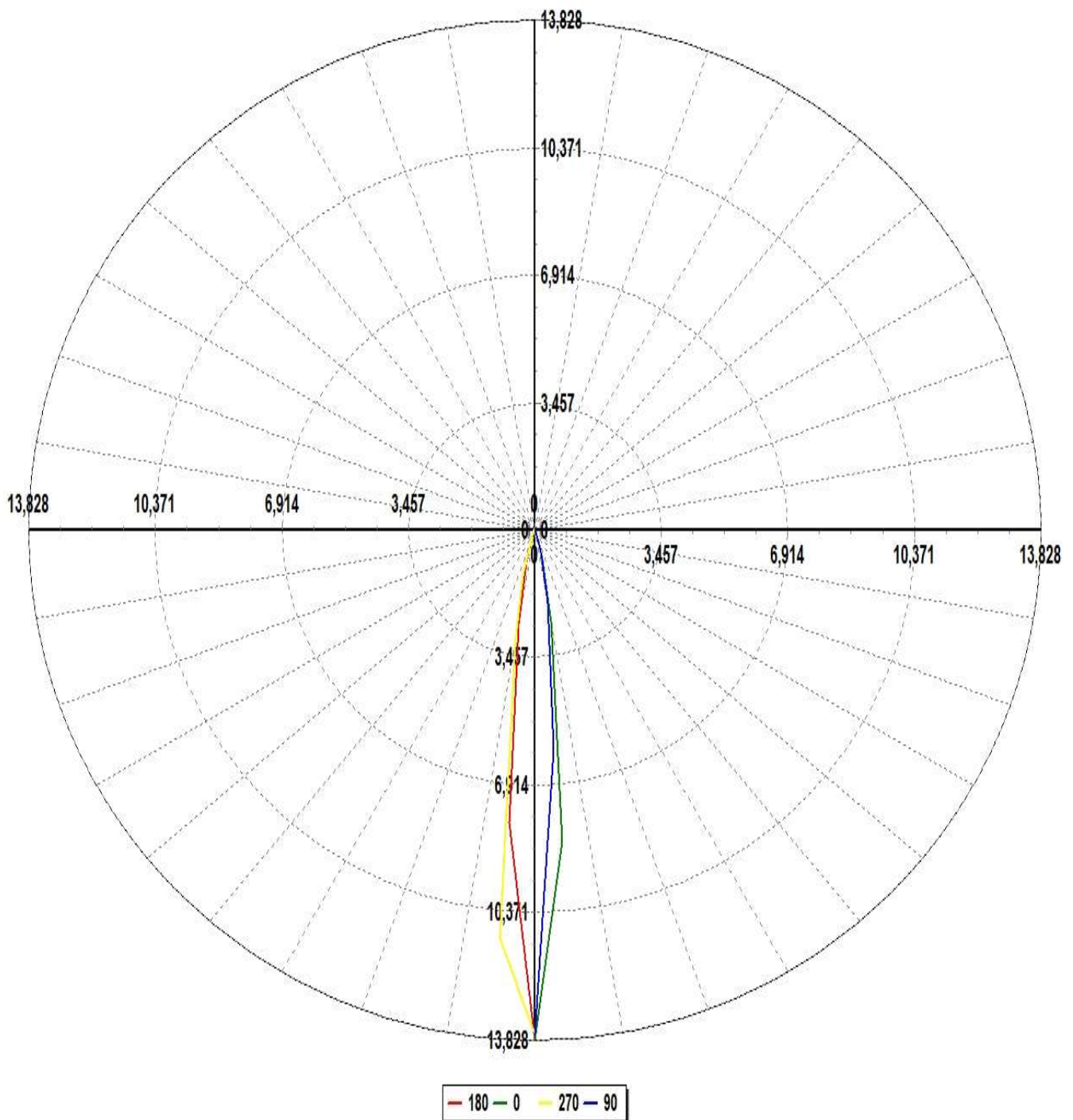
Report

Filename 1.jdt

Operator

Date 2021-09-01 오후 4:20:16

## Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Voltage (V) 220.02

Lamp flux (lm) 152009

Current (A) 5.4652

Total flux (lm) 152009

Power Factor 0.9923

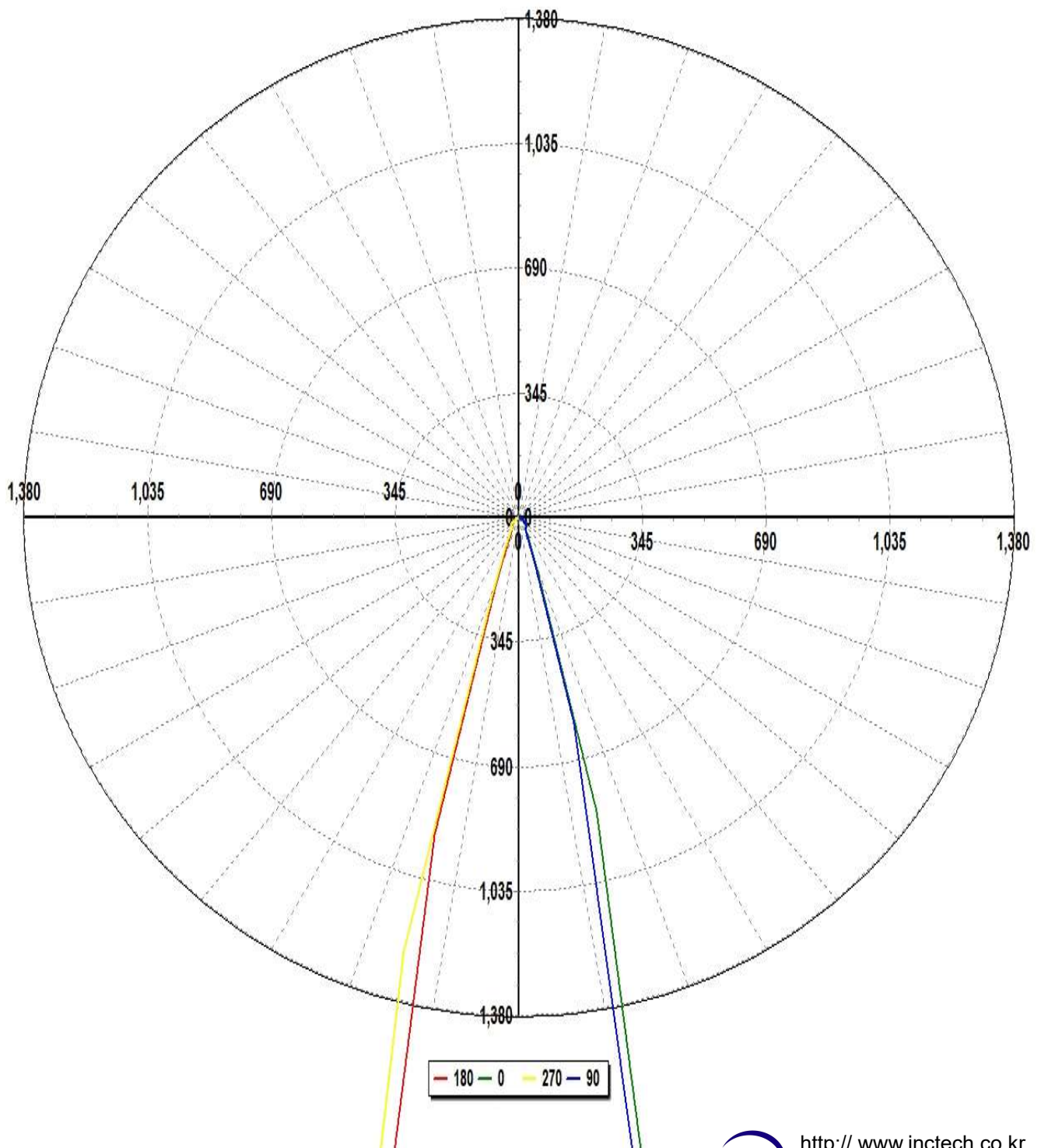
Report

Filename 1.jdt

Operator

Date 2021-09-01 오후 4:20:16

## Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

No. of lamps	1	Voltage (V)	220.02
Lamp flux (lm)	152009	Current (A)	5.4652
Total flux (lm)	152009	Power Factor	0.9923

Report

Filename	1.jdt
Operator	
Date	2021-09-01 오후 4:20:16

## Luminous Intensity Data

Maximum (cd) : 2102175

Minimum (cd) : 27

G/C	0	10	20	30	40	50	60	70	80
0	2102175	2099254	2095009	2093366	2090468	2089370	2085098	2083352	2076862
5	1283548	1004257	1264585	982216.9	1240576	958943.7	1206893	932500.9	1169416
10	379723	326744.2	375809.4	333338.2	375597.3	333152.3	369044.1	320299.8	357851.6
15	127739.7	93127.21	139571	110637.3	165917.2	118390.5	152369.8	98166.07	126232
20	20524.57	16138.03	21074.55	16859.18	22329.16	17604.9	22728.13	17691.46	22395.46
25	10008.78	8267.14	10176.83	8448.52	10607.78	8691.69	10759.16	8573.81	10759.12
30	6008.33	5892.18	6091.94	6012.55	6249.71	6025.45	6083.39	5750.63	5857.1
35	5529.65	5536.71	5527.85	5569.12	5567.02	5514.01	5409.44	5304.09	5218.95
40	5221.46	5213.1	5164.56	5142.47	5092.08	5036.58	4970.3	4898.48	4840.02
45	4998.08	4982.21	4934.07	4908.4	4867.43	4795.45	4716.31	4621.4	4526.37
50	4160.33	4195.48	4174.05	4195.32	4152.7	4127.35	4022.43	3985.02	3888.96
55	2941.38	2954.23	2957.86	3036.99	3049.65	3043.79	2947.14	2886.29	2784.95
60	2003.44	2005.21	1984.91	2028.11	2025.66	2038.44	1989.01	1946.78	1879.44
65	1335.54	1329.14	1304.53	1315.58	1294.87	1293.8	1260.07	1233.66	1205.8
70	988.86	832.85	958.5	813.73	940.63	772.47	897.02	752.65	878.79
75	476.25	409.14	451.55	390.55	428.35	372.02	418	355.96	396.57
80	301.39	210.37	285.26	192.32	268.43	185.23	258.85	177.26	245.53
85	65.63	49.4	59.25	45.31	55.44	42.77	53.02	41.86	51.14
90	28.27	28.15	28.24	28.23	28.31	28.16	28.23	28.16	28.31
95	32.96	32.84	32.92	32.88	32.95	32.93	33.07	33.03	33.18
100	38.32	38.16	38.26	38.19	38.31	38.32	38.45	38.46	38.65
105	44.48	44.28	44.41	44.27	44.45	44.56	44.79	44.87	45.07
110	51.88	54	51.69	54.69	52.4	55.95	53.35	56.99	53.78
115	82.8	105.89	84.17	110.46	88.57	117.82	93.54	125.26	97.36
120	165.52	166.05	169.43	173.2	179.89	185.71	193	198.49	203.2
125	350.27	352.87	356.31	364.81	372.8	384.28	392.64	402.74	405.72
130	586.61	652.72	588.55	656.09	597.34	663.13	609.15	667.97	615.6

Luminaire

Lamp

No. of lamps	1	Voltage (V)	220.02
Lamp flux (lm)	152009	Current (A)	5.4652
Total flux (lm)	152009	Power Factor	0.9923

Report

Filename	1.jdt
Operator	
Date	2021-09-01 오후 4:20:16

## Luminous Intensity Data (Continued)

Maximum (cd) : 2102175

Minimum (cd) : 27

G/C	90	100	110	120	130	140	150	160	170
0	2074778	2066820	2064858	2057398	2056439	2049203	2049398	2042163	2042048
5	910538.9	1141099	887884.6	1118622	872331.4	1107504	862940.9	1096538	863238.3
10	307004.4	347031.5	302030.6	342517.1	304208.9	340224.7	300408.1	334988.1	291271.2
15	89992.35	123716.3	94732.83	138565.8	105628.6	145774.6	103043.8	132213.8	93498.01
20	17826.7	22891.39	18518.2	23938.14	19042.85	24086.96	18871.49	23524.08	18421.47
25	8505.7	10937.39	8597.13	11205.66	8842.48	11299.68	8739.26	10991.01	8541.63
30	5605.3	5855.6	5671.71	5958.93	5807.78	6001.45	5665.38	5813.02	5550.48
35	5168.2	5132.71	5124.07	5130.77	5169.5	5130.57	5062.64	4999.72	4995.46
40	4811.89	4753.11	4709.45	4676.58	4676.78	4642.7	4623.59	4598.63	4620.62
45	4483.41	4449.36	4435.99	4430.27	4423.13	4389.45	4360.69	4337.56	4339.39
50	3905.32	3892.24	3937.25	3935.5	3972.04	3925.26	3905.78	3882.48	3881.94
55	2796.85	2801.01	2887.09	2958.34	3045.2	3025.53	3004.43	2932.45	2911.46
60	1892.7	1891.8	1960.43	2013.2	2082.04	2075.2	2087.38	2046.99	2048.87
65	1218.44	1208.47	1242.91	1283.48	1332.09	1334.63	1360.27	1349.82	1370.23
70	743.71	880.35	761.47	915.78	788.8	962.27	822.58	977.41	839.23
75	345.34	398.41	359.34	423.7	373.39	425.05	382.72	444.59	400.44
80	169.25	246.16	177.19	259.57	181.86	262.53	185.02	276.26	201.4
85	40.88	50.67	40.7	51.3	41.23	52.81	43.1	55.93	46.78
90	28.18	28.35	28.31	28.41	28.39	28.56	28.43	28.56	28.34
95	33.17	33.32	33.29	33.39	33.43	33.57	33.5	33.67	33.5
100	38.57	38.81	38.74	38.96	38.96	39.17	39.07	39.29	39.08
105	45.01	45.19	45.13	45.31	45.28	45.48	45.37	45.49	45.23
110	57.24	53.93	57.3	53.88	56.74	53.41	55.65	52.7	54.61
115	128.4	97.78	126.12	94.44	119.38	89.56	111.44	84.43	105.23
120	204.02	203.84	199.75	194.91	188.39	182.5	175.6	170.95	166.57
125	409.42	405.79	403.39	394.23	386.79	377.08	370.23	362.69	360.08
130	669.14	615.53	667.98	609.79	665.77	603.89	664.67	599.24	663.68

Luminaire

Lamp

No. of lamps	1	Voltage (V)	220.02
Lamp flux (lm)	152009	Current (A)	5.4652
Total flux (lm)	152009	Power Factor	0.9923

Report

Filename	1.jdt
Operator	
Date	2021-09-01 오후 4:20:16

## Luminous Intensity Data (Continued)

Maximum (cd) : 2102175

Minimum (cd) : 27

G/C	180	190	200	210	220	230	240	250	260
0	2102175	2099254	2095009	2093366	2090468	2089370	2085098	2083352	2076862
5	1205704	1533288	1221454	1559332	1257951	1605074	1304697	1653322	1345886
10	394520.7	441960.7	398843.1	446833.4	403945.7	450942.9	406116.6	457394.8	411943.3
15	138643.5	190788.7	149489.5	210562.7	168711.5	218152	159444.2	198694.4	139860.7
20	26138.27	33637.52	26196.62	34908.46	26641.72	34953.49	25252.54	31803.48	23574.1
25	10449.12	14344.58	10394.79	14208.79	10445.9	13954.41	10152.85	13122.25	9739.11
30	5926.77	6266.88	5996.77	6396.29	6176.53	6462.76	6043.1	6243.86	5935.09
35	5133.08	5167.66	5228.69	5311.15	5386.73	5375.94	5325.68	5249.37	5230.41
40	4744.52	4740.59	4756.35	4785.36	4829.85	4833.98	4846.6	4842.32	4890.51
45	4427.19	4435.14	4435.45	4462.15	4489.98	4500.16	4515.26	4523.44	4538.32
50	4129.58	4121.74	4123.62	4138.49	4182.43	4186.23	4216.77	4219.7	4224.46
55	3183.02	3180.13	3230.87	3278.17	3346.76	3333.45	3303.77	3222.72	3153.17
60	2280.23	2266.1	2301.68	2334.06	2370.88	2334.12	2300.94	2208.41	2168.24
65	1550.95	1536.88	1546.87	1548.84	1552.23	1520.72	1501.75	1433.51	1405.15
70	978.11	1136.66	965.76	1132.93	957.38	1105.74	908.83	1040.01	880.72
75	499.81	551.18	479.92	534.58	461.13	518.56	459.74	504.43	438.47
80	267.37	258.62	255.91	241.98	243.9	238.77	242.12	233.22	232.01
85	92.52	141.45	84.49	127.46	79.64	125.93	78.53	123.04	76.14
90	28.02	27.08	27.79	26.78	27.58	26.73	27.46	26.7	27.44
95	32.16	32.18	31.88	31.74	31.64	31.65	31.51	31.54	31.48
100	37.78	37.81	37.49	37.39	37.12	37.19	36.94	37	36.86
105	43.74	43.8	43.5	43.36	43.18	43.19	43.03	43.12	43.01
110	50.17	50.32	50.14	50.36	50.42	50.8	50.96	51.32	51.35
115	60.47	58.24	61.9	59.83	64.77	62.24	67.71	64.17	69.39
120	120.97	94.56	124.93	100.79	135.12	109.59	146.25	117.15	153.49
125	192.66	193.33	196.22	202.12	208.76	216.71	224.07	230.65	234.34
130	412.9	358.34	411.98	363.03	417.98	375.86	428.83	388.97	435.77

Luminaire

Lamp

No. of lamps	1	Voltage (V)	220.02
Lamp flux (lm)	152009	Current (A)	5.4652
Total flux (lm)	152009	Power Factor	0.9923

Report

Filename	1.jdt
Operator	
Date	2021-09-01 오후 4:20:16

## Luminous Intensity Data (Continued)

Maximum (cd) : 2102175

Minimum (cd) : 27

G/C	270	280	290	300	310	320	330	340	350
0	2074778	2066820	2064858	2057398	2056439	2049203	2049398	2042163	2042048
5	1687686	1375266	1713824	1389981	1727076	1395204	1733703	1392914	1733085
10	470875.7	425092.2	484036.8	439361.3	494760.6	447861.8	500880.2	448449.8	502128.4
15	189409	143308.4	209361.8	173030.6	240914.4	189469.3	231920.5	158680.4	203855
20	30424.18	23261.69	30891.33	23886.73	34756.3	25423.84	33045.86	23689.03	30741.93
25	12719.47	9764.71	12797.62	9955.96	13038.99	10039.27	12906.39	9747.1	12536.05
30	6201.29	6024.99	6339.45	6227.45	6599.1	6354.61	6505.4	6167.46	6345.7
35	5241.04	5336.09	5458.75	5618.42	5727.41	5745.12	5681.6	5626.93	5587.92
40	4940.86	5012.28	5076.75	5163.45	5232.32	5271.73	5264.98	5275.41	5290.85
45	4595.78	4689.6	4755.78	4848.11	4928.62	4961.37	4973.52	4988.96	4999.74
50	4242.63	4300.48	4325.72	4405.72	4447.8	4471.51	4468.94	4510.14	4489.14
55	3123.51	3190.12	3247.76	3357.71	3412.62	3427.94	3355.88	3320.22	3248.2
60	2150.2	2188.8	2223.93	2314.54	2344.55	2356.32	2304.76	2268.66	2222.5
65	1390.25	1412.66	1447.24	1506.76	1521.05	1528.75	1510.19	1507.63	1489.52
70	1026.29	884.75	1048.34	917.34	1108.33	953.28	1115.18	957.81	1113.23
75	489.98	441.62	509.62	466.82	527.74	472.37	543.71	488.66	555.25
80	223.8	234.43	236.9	248.47	246.81	253.73	252.31	265.75	265.85
85	119.35	77.26	125.69	82.21	131.73	84.86	134.78	89.13	146.75
90	26.79	27.52	26.88	27.61	26.87	27.66	26.9	27.69	26.99
95	31.64	31.53	31.62	31.44	31.53	31.45	31.56	31.44	31.59
100	37.01	36.86	36.96	36.77	36.86	36.73	36.85	36.72	36.85
105	43.15	42.96	43.08	42.84	42.81	42.61	42.61	42.47	42.56
110	49.53	51.35	51.4	50.78	50.52	49.95	49.65	49.23	49.14
115	69.95	69.29	64.22	67.52	61.97	64.36	59.3	61.38	57.48
120	119.88	152.8	116.81	144.84	108.83	133.95	100.68	124.96	95.21
125	236.22	233.57	229.58	221.88	213.59	206.31	199.58	194.81	191.93
130	393.88	435.8	388.81	427.82	374.03	413.59	359.37	404.95	353.14

Luminaire

Lamp

No. of lamps	1	Voltage (V)	220.02	Report	
Lamp flux (lm)	152009	Current (A)	5.4652	Filename	1.jdt
Total flux (lm)	152009	Power Factor	0.9923	Operator	
				Date 2021-09-01 오후 4:20:16	

## Luminous Intensity Data (Continued)

Maximum (cd) : 2102175

Minimum (cd) : 27

G/C	360
0	2102175
5	1283548
10	379723
15	127739.7
20	20524.57
25	10008.78
30	6008.33
35	5529.65
40	5221.46
45	4998.08
50	4160.33
55	2941.38
60	2003.44
65	1335.54
70	988.86
75	476.25
80	301.39
85	65.63
90	28.27
95	32.96
100	38.32
105	44.48
110	51.88
115	82.8
120	165.52
125	350.27
130	586.61

Luminaire

Lamp

No. of lamps	1	Voltage (V)	220.02
Lamp flux (lm)	152009	Current (A)	5.4652
Total flux (lm)	152009	Power Factor	0.9923

Report

Filename	1.jdt
Operator	
Date	2021-09-01 오후 4:20:16

## Luminous Flux Table

Total Lamp Lumens:	152009
Luminaire Efficiency (lm/W):	153188.40
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	12398.15	12398.15	8.16	8.16
5	60697.34	73095.49	48.09	48.09
10	37193.35	110288.80	72.55	72.55
15	21570.37	131859.20	86.74	86.74
20	4601.94	136461.20	89.77	89.77
25	2472.70	138933.90	91.40	91.40
30	1660.51	140594.40	92.49	92.49
35	1681.36	142275.70	93.60	93.60
40	1737.12	144012.90	94.74	94.74
45	1798.72	145811.60	95.92	95.92
50	1741.93	147553.50	97.07	97.07
55	1395.42	148948.90	97.99	97.99
60	1014.52	149963.40	98.65	98.65
65	692.52	150656.00	99.11	99.11
70	483.00	151139.00	99.43	99.43
75	238.18	151377.10	99.58	99.58
80	127.84	151505.00	99.67	99.67
85	42.59	151547.60	99.70	99.70
90	15.23	151562.80	99.71	99.71
95	17.70	151580.50	99.72	99.72
100	20.44	151601.00	99.73	99.73
105	23.29	151624.30	99.75	99.75
110	27.01	151651.30	99.76	99.76
115	41.49	151692.80	99.79	99.79
120	72.81	151765.60	99.84	99.84
125	133.19	151898.80	99.93	99.93
130	110.11	152008.90	100.00	100.00

Luminaire

Lamp

No. of lamps	1	Voltage (V)	220.02
Lamp flux (lm)	152009	Current (A)	5.4652
Total flux (lm)	152009	Power Factor	0.9923

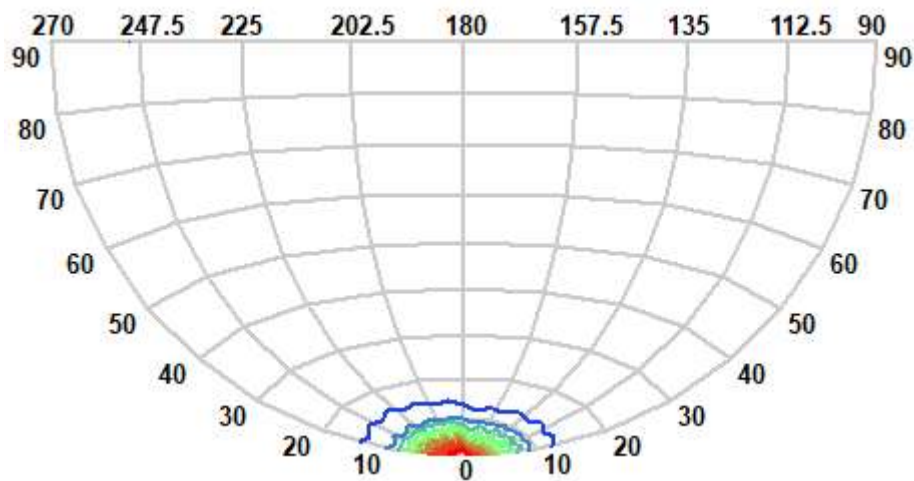
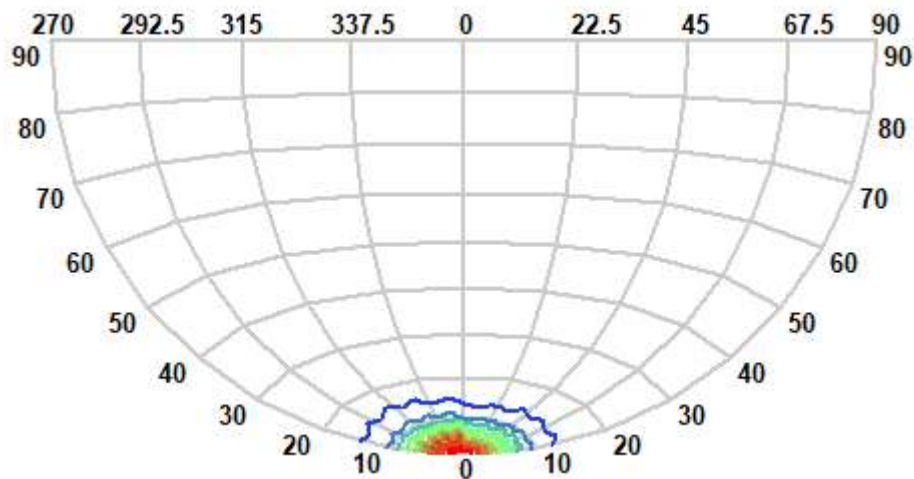
Report

Filename 1.jdt

Operator

Date 2021-09-01 오후 4:20:16

## IsoCandela (Type C)



27	~	210242	1051101	~	126131
210242	~	420456	1261316	~	147153
420456	~	630671	1471530	~	168174
630671	~	840886	1681745	~	189196
840886	~	105110	1891960	~	210217

Luminaire

Lamp

No. of lamps	1	Voltage (V)	220.02
Lamp flux (lm)	152009	Current (A)	5.4652
Total flux (lm)	152009	Power Factor	0.9923

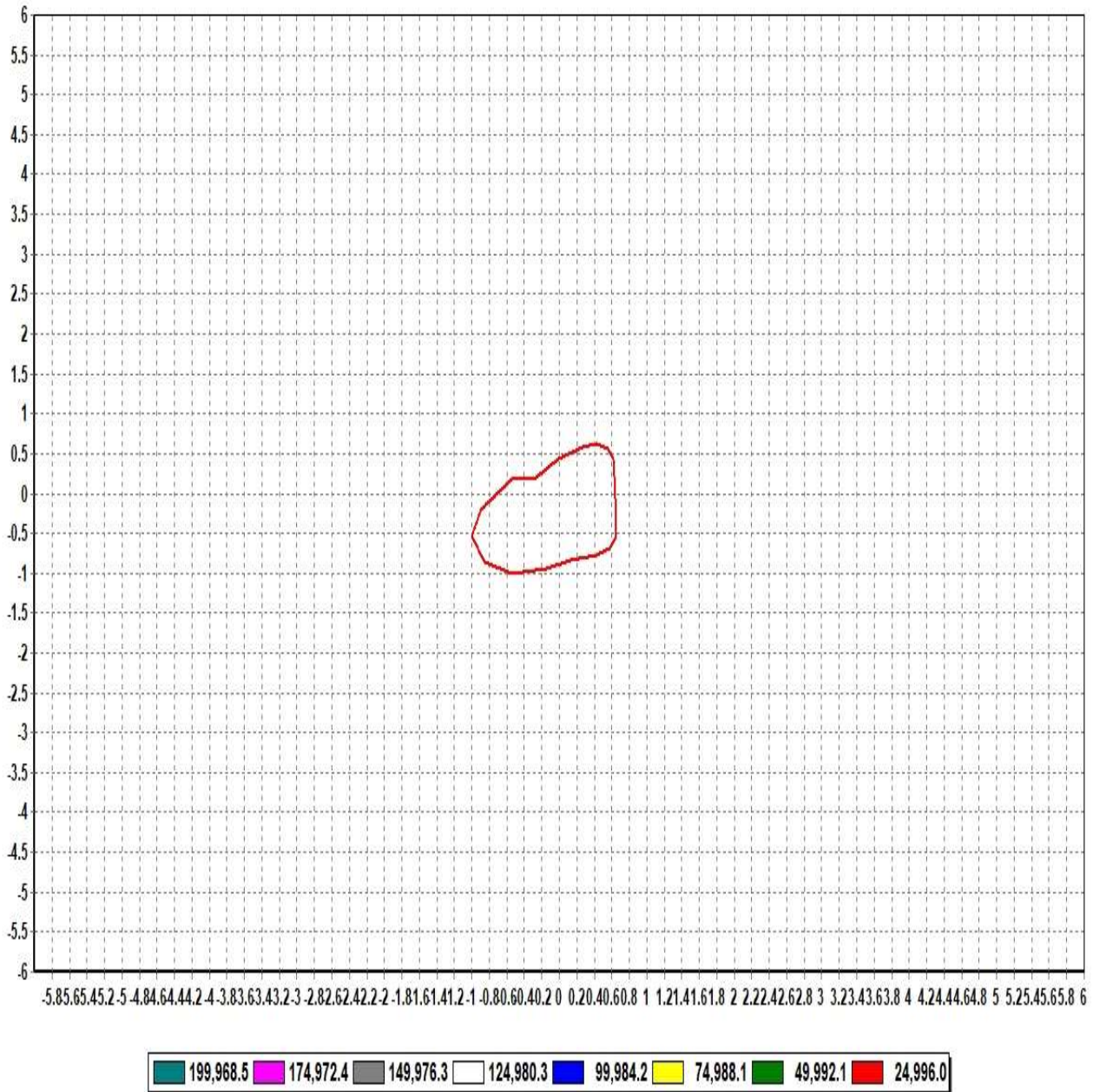
Report

Filename 1.jdt

Operator

Date 2021-09-01 오후 4:20:16

## IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

No. of lamps	1	Voltage (V)	220.02
Lamp flux (lm)	152009	Current (A)	5.4652
Total flux (lm)	152009	Power Factor	0.9923

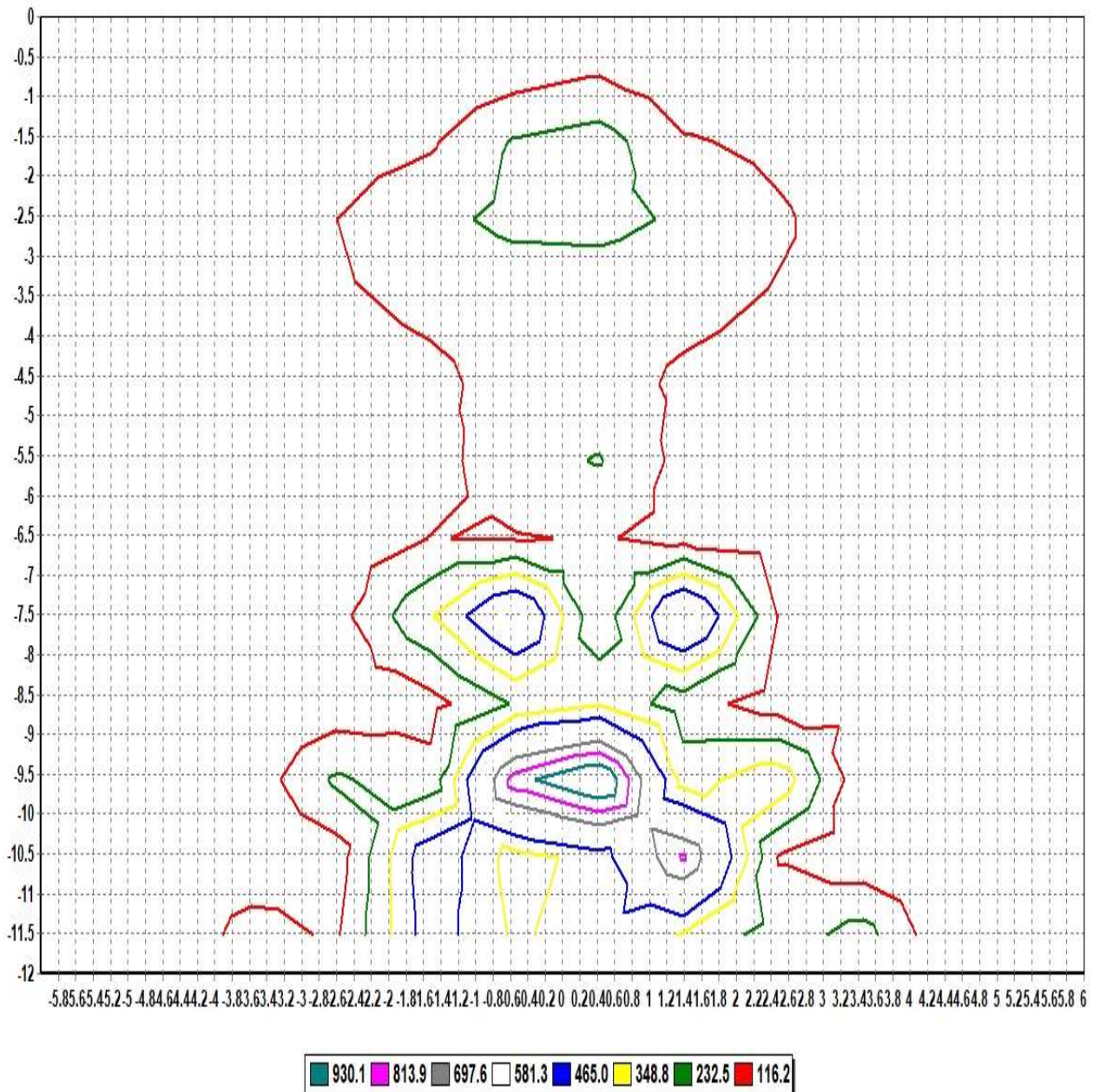
Report

Filename 1.jdt

Operator

Date 2021-09-01 오후 4:20:16

## IsoLux Diagram (Wall)



Pole Height (m):	2.7	Wall Distance (m):	2.7
Aiming Plane:	0	Wall Height (m):	12
Total Optical Solution Provider			

Luminaire

Lamp

No. of lamps 1 Voltage (V) 220.02

Lamp flux (lm) 152009 Current (A) 5.4652

Total flux (lm) 152009 Power Factor 0.9923

Report

Filename 1.jdt

Operator

Date 2021-09-01 오후 4:20:16

## Illuminance Levels (Ground)

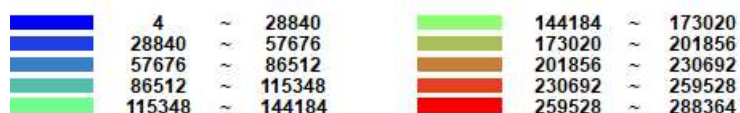
6.00	4.18	5.89	5.11	7.28	13.96	16.00	16.95	16.41	14.19	7.10	5.30	5.88
5.00	5.89	5.82	14.11	19.78	17.77	33.99	36.82	33.97	18.17	20.06	13.79	5.94
4.00	5.47	14.17	15.17	39.81	41.77	79.11	88.59	79.73	42.48	39.96	15.12	13.80
3.00	7.71	21.00	40.12	53.49	97.12	149.47	169.81	153.37	99.76	53.70	39.93	20.03
2.00	15.02	19.52	43.37	98.71	208.19	295.81	389.44	316.35	228.34	101.15	42.36	19.08
1.00	17.39	35.86	79.83	148.22	292.71	746.99	9652.20	737.21	324.61	159.70	84.28	35.83
0.00	20.55	42.50	94.74	174.44	404.56	14860.62	288364.20	13665.87	417.22	184.52	94.20	38.78
-1.00	19.34	39.40	85.48	156.00	301.61	870.77	20263.32	839.90	332.32	169.92	91.63	39.72
-2.00	16.72	21.95	47.98	105.47	213.13	305.61	420.47	323.70	231.02	111.67	48.81	21.71
-3.00	8.98	23.22	44.30	60.02	107.54	159.48	179.99	163.87	108.66	60.54	45.16	23.26
-4.00	6.40	16.24	17.90	44.47	48.24	86.87	96.64	87.25	47.65	44.87	17.52	16.04
-5.00	6.90	7.07	16.22	23.20	20.99	38.62	41.29	38.27	20.65	22.48	16.01	6.87
-6.00	5.02	6.90	6.13	8.72	16.50	18.70	19.27	18.52	15.99	8.31	6.21	6.91
-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	

Illum. (Max.) : 288364

Illum. (Min.) : 4.18

Illum. (Avg.) : 2138

All illuminance level values are in lux.



Luminaire

Lamp

No. of lamps 1 Voltage (V) 220.02

Lamp flux (lm) 152009 Current (A) 5.4652

Total flux (lm) 152009 Power Factor 0.9923

Report

Filename 1.jdt

Operator

Date 2021-09-01 오후 4:20:16

## Illuminance Levels (Ground) (Continued)

6.00 4.22  
5.00 5.88  
4.00 5.60  
3.00 7.40  
2.00 14.38  
1.00 17.05  
0.00 18.01  
-1.00 19.28  
-2.00 16.62  
-3.00 8.62  
-4.00 6.53  
-5.00 6.91  
-6.00 4.89

6.00

Illum. (Max.) : 288364

Illum. (Min.) : 4.18

Illum. (Avg.) : 2138

All illuminance level values are in lux.

	4	~	28840		144184	~	173020
	28840	~	57676		173020	~	201856
	57676	~	86512		201856	~	230692
	86512	~	115348		230692	~	259528
	115348	~	144184		259528	~	288364

Luminaire

Lamp

No. of lamps	1	Voltage (V)	220.02
Lamp flux (lm)	152009	Current (A)	5.4652
Total flux (lm)	152009	Power Factor	0.9923

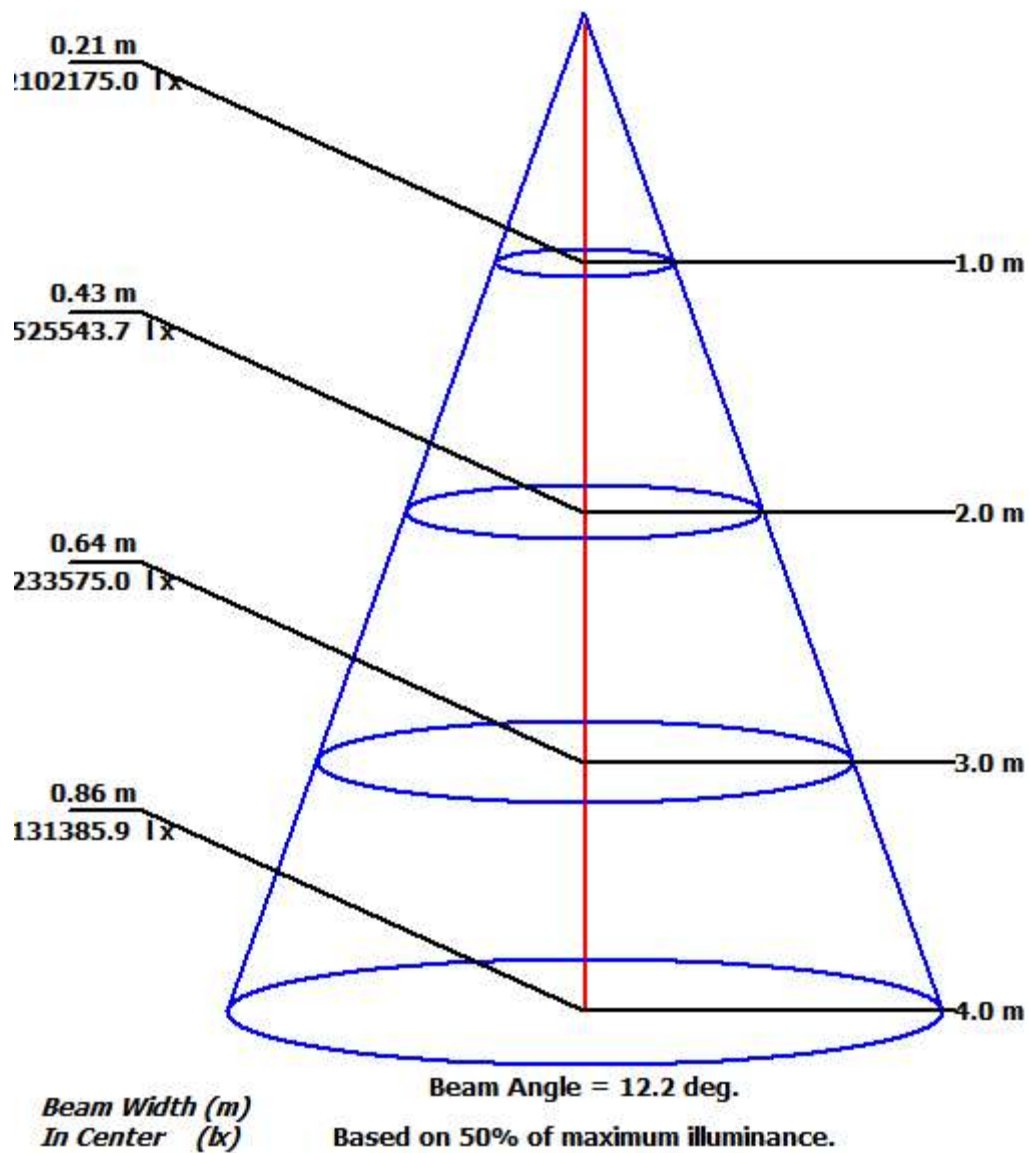
Report

Filename 1.jdt

Operator

Date 2021-09-01 오후 4:20:16

## Illuminance Cone Diagram



Luminaire

Lamp

No. of lamps 1 Voltage (V) 220.02

Lamp flux (lm) 152009 Current (A) 5.4652

Total flux (lm) 152009 Power Factor 0.9923

Report

Filename 1.jdt

Operator

Date 2021-09-01 오후 4:20:16

## Coefficient of Utilization

	Refl. Ceiling (%)	80%	80%	80%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
	Refl. Wall (%)	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
Eff. Floor Cavity Refl.		20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Room CR 0		1.24	1.24	1.24	1.21	1.21	1.21	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.04
Room CR 1		1.18	1.17	1.15	1.16	1.14	1.13	1.12	1.11	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.01
Room CR 2		1.14	1.11	1.09	1.12	1.09	1.07	1.09	1.07	1.05	1.06	1.04	1.03	1.03	1.02	1.01	0.99
Room CR 3		1.10	1.07	1.04	1.08	1.06	1.03	1.06	1.04	1.02	1.04	1.02	1.00	1.01	1.00	0.99	0.97
Room CR 4		1.07	1.03	1.01	1.06	1.02	1.00	1.04	1.01	0.99	1.02	1.00	0.98	1.00	0.98	0.97	0.96
Room CR 5		1.04	1.00	0.98	1.03	1.00	0.97	1.02	0.99	0.97	1.00	0.98	0.96	0.99	0.97	0.95	0.94
Room CR 6		1.02	0.98	0.96	1.01	0.98	0.95	1.00	0.97	0.95	0.98	0.96	0.94	0.97	0.95	0.94	0.93
Room CR 7		1.00	0.96	0.94	0.99	0.96	0.94	0.98	0.95	0.93	0.97	0.95	0.93	0.96	0.94	0.92	0.91
Room CR 8		0.98	0.95	0.92	0.98	0.94	0.92	0.97	0.94	0.92	0.96	0.93	0.92	0.95	0.93	0.91	0.90
Room CR 9		0.97	0.93	0.91	0.96	0.93	0.91	0.95	0.93	0.91	0.95	0.92	0.90	0.94	0.92	0.90	0.89
Room CR 10		0.95	0.92	0.90	0.95	0.92	0.90	0.94	0.91	0.90	0.94	0.91	0.89	0.93	0.91	0.89	0.88