

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BN124C L1200 1 XLED38S\_830.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] LVE2657900  
 [TESTLAB]  
 [MANUFAC] PHILIPS  
 [LUMCAT]  
 [LUMINAIRE] BN124C L1200 LED38S/830 NO  
 [LAMP] LED38S/830  
 [BALLAST] -  
 [ISSUEDATE] 2017-02-03  
 [OTHER] B-Angle = 0.00 B-Tilt = 0.00 2019-06-21

## CHARACTERISTICS

Lumens Per Lamp	3800 (1 lamp)
Total Lamp Lumens	3800
Luminaire Lumens	3824
Total Luminaire Efficiency	101 %
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	38
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.11 m
Luminous Width (90-270)	0.06 m
Luminous Height	0.04 m

## LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13165	10225	10106
55	12027	8982	9086
65	10593	7800	8128
75	8339	6728	7271
85	3611	5839	6585

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**CANDELA TABULATION**

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
<b>0.0</b>	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50
<b>2.5</b>	1069.70	1070.08	1070.08	1070.46	1070.84	1070.84	1070.84	1070.84	1071.22	1071.22
<b>5.0</b>	1065.52	1065.52	1065.52	1065.90	1065.90	1066.28	1066.28	1066.28	1066.66	1066.66
<b>7.5</b>	1057.16	1057.16	1057.54	1057.92	1058.30	1058.30	1058.68	1058.68	1059.06	1059.06
<b>10.0</b>	1046.52	1046.52	1046.52	1046.90	1047.28	1047.28	1047.66	1048.04	1048.42	1048.80
<b>12.5</b>	1032.08	1032.46	1032.46	1032.84	1033.22	1033.60	1033.98	1034.36	1034.74	1035.50
<b>15.0</b>	1015.36	1015.36	1015.74	1016.12	1016.50	1016.88	1017.64	1018.02	1018.78	1019.54
<b>17.5</b>	995.60	995.60	995.98	996.36	997.12	997.50	998.26	999.02	999.78	1000.92
<b>20.0</b>	973.18	973.18	973.56	974.32	975.08	975.84	976.60	977.36	978.50	979.64
<b>22.5</b>	948.86	948.86	949.24	950.00	951.14	951.90	952.66	953.80	955.32	956.46
<b>25.0</b>	921.12	921.50	921.88	922.64	923.78	924.54	925.68	927.20	928.72	930.62
<b>27.5</b>	891.86	892.24	892.62	893.38	894.90	896.04	897.18	898.70	900.60	902.88
<b>30.0</b>	860.70	860.70	861.08	862.22	863.36	864.88	866.40	868.68	870.58	873.24
<b>32.5</b>	827.64	828.02	828.78	829.54	831.06	832.58	834.48	836.76	839.04	842.08
<b>35.0</b>	793.44	793.44	794.20	795.34	796.86	798.38	800.66	803.32	805.98	809.02
<b>37.5</b>	756.96	757.34	758.10	759.24	760.76	763.04	765.32	767.98	771.02	774.82
<b>40.0</b>	719.72	720.10	720.86	722.38	724.28	726.18	728.84	731.88	735.30	739.48
<b>42.5</b>	682.10	682.10	683.24	684.76	686.66	688.94	691.98	695.02	699.20	703.38
<b>45.0</b>	643.72	644.10	645.24	646.38	648.66	651.32	654.36	658.16	662.34	666.90
<b>47.5</b>	604.58	604.96	606.10	608.00	610.28	612.94	616.36	620.54	625.10	630.04
<b>50.0</b>	564.68	565.06	566.20	568.10	570.38	573.42	577.22	581.78	586.72	592.42
<b>52.5</b>	524.40	524.78	525.92	527.82	530.48	533.90	538.08	542.64	547.96	554.04
<b>55.0</b>	484.12	484.50	485.64	487.54	490.58	494.00	498.18	503.50	509.58	515.66
<b>57.5</b>	445.36	445.74	446.88	449.16	451.82	455.62	459.80	464.74	470.82	477.66
<b>60.0</b>	404.70	405.46	406.98	409.26	412.68	416.86	422.18	428.26	434.72	441.56
<b>62.5</b>	363.66	364.04	365.56	368.22	372.02	376.96	382.66	389.12	396.34	403.94
<b>65.0</b>	321.86	322.62	324.52	327.56	331.74	337.06	343.14	350.36	358.34	366.70
<b>67.5</b>	282.72	283.48	285.38	288.42	292.98	298.30	305.14	312.74	321.10	329.84
<b>70.0</b>	242.82	243.58	245.86	249.66	254.98	261.44	269.04	277.40	286.90	296.40
<b>72.5</b>	203.68	204.44	207.10	211.28	216.98	224.20	232.18	241.30	251.18	261.82
<b>75.0</b>	163.40	164.16	167.58	172.52	179.36	187.34	196.84	207.48	218.50	229.90
<b>77.5</b>	125.02	126.16	129.96	135.66	143.26	152.76	162.64	173.66	185.44	197.60
<b>80.0</b>	88.54	89.68	94.24	100.70	109.44	119.70	130.34	142.12	154.66	166.82
<b>82.5</b>	56.62	58.52	63.46	70.68	80.18	91.20	102.98	115.14	128.06	140.60
<b>85.0</b>	29.64	31.92	37.62	45.98	56.24	67.26	79.04	91.96	104.50	117.42
<b>87.5</b>	11.40	13.68	19.76	28.12	38.00	49.02	60.42	72.20	84.74	96.90
<b>90.0</b>	3.04	4.94	9.50	16.34	24.70	34.58	45.22	56.24	68.02	79.80
<b>95.0</b>	1.52	2.28	3.42	6.84	11.78	18.24	25.84	34.58	44.46	54.34
<b>100.0</b>	1.14	1.52	2.28	4.18	6.84	11.02	16.34	22.42	29.64	37.62
<b>105.0</b>	1.14	1.52	2.28	3.42	4.94	7.60	11.40	15.58	20.90	26.98
<b>110.0</b>	1.14	1.14	1.90	3.04	4.18	6.08	8.74	11.78	15.58	20.14
<b>115.0</b>	1.52	1.52	1.90	2.66	3.80	5.32	7.22	9.50	12.54	15.58
<b>120.0</b>	1.90	1.90	2.28	3.04	3.80	5.32	6.46	8.36	10.64	13.30
<b>125.0</b>	2.28	2.28	2.66	3.42	4.18	5.32	6.46	7.60	9.50	11.40
<b>130.0</b>	3.04	3.04	3.04	3.42	4.56	5.32	6.46	7.60	8.74	10.26
<b>135.0</b>	3.80	3.80	3.80	4.18	4.94	5.70	6.84	7.60	8.74	9.88
<b>180.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert.  
Angles**

**Horizontal Angles**

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
<b>0.0</b>	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50
<b>2.5</b>	1071.22	1071.60	1071.98	1072.36	1072.74	1072.74	1073.12	1073.12	1073.50	1073.50
<b>5.0</b>	1066.66	1067.04	1067.42	1068.18	1068.56	1068.94	1069.32	1069.32	1069.70	1070.08
<b>7.5</b>	1059.44	1059.82	1060.58	1060.96	1061.72	1062.10	1062.48	1062.86	1063.24	1063.62
<b>10.0</b>	1049.18	1049.94	1050.70	1051.46	1052.22	1052.60	1052.98	1053.74	1054.50	1054.88
<b>12.5</b>	1035.88	1037.02	1037.78	1038.92	1040.06	1040.82	1041.58	1042.34	1043.10	1043.86
<b>15.0</b>	1020.30	1021.44	1022.58	1023.72	1025.24	1026.00	1027.14	1028.28	1029.42	1030.56

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**CANDELA TABULATION - (Cont.)**

17.5	1002.06	1003.20	1004.72	1006.62	1008.14	1009.28	1010.80	1011.94	1013.84	1014.98
20.0	980.78	982.68	984.58	986.48	988.38	990.28	991.80	993.70	995.60	997.50
22.5	957.98	960.26	962.54	964.82	967.10	969.00	971.28	973.56	975.84	978.12
25.0	932.52	934.80	937.46	940.12	942.78	945.06	947.72	950.76	953.42	956.08
27.5	905.16	908.20	911.24	914.28	916.94	919.98	923.40	926.44	929.48	932.52
30.0	876.28	879.32	882.36	885.78	889.58	893.00	896.80	900.60	904.02	907.44
32.5	845.12	848.54	852.34	856.52	860.32	864.50	868.68	872.86	876.66	880.46
35.0	812.82	816.62	821.18	825.36	829.92	834.48	839.04	843.60	847.78	852.34
37.5	778.62	783.18	788.12	793.06	798.00	802.94	807.88	812.82	817.76	822.70
40.0	744.04	748.98	753.92	759.24	764.56	769.88	775.58	781.28	786.60	792.30
42.5	708.32	713.64	719.34	724.66	730.74	736.44	742.52	748.60	754.68	761.14
45.0	672.22	677.92	684.00	690.08	696.16	702.62	709.08	715.92	722.38	729.22
47.5	635.74	641.82	648.28	654.74	661.20	668.42	675.26	682.48	689.70	696.92
50.0	598.12	604.58	611.42	618.26	625.48	632.70	640.30	647.90	655.88	663.48
52.5	560.50	567.34	574.18	581.78	589.38	597.36	605.34	613.70	621.68	630.04
55.0	522.50	529.72	537.32	545.30	553.28	562.02	570.38	579.12	587.86	596.60
57.5	484.88	492.48	500.46	508.82	517.56	526.30	535.42	544.92	553.66	562.78
60.0	448.78	456.38	464.36	472.72	481.84	491.34	501.22	510.72	520.22	529.72
62.5	412.68	421.42	430.16	439.66	448.40	457.90	467.02	476.90	486.78	496.28
65.0	375.44	384.94	394.44	404.70	414.96	425.22	435.10	444.60	454.48	463.60
67.5	339.34	349.60	359.86	370.12	381.14	391.78	402.42	413.06	422.94	432.44
70.0	306.66	316.92	327.56	338.20	348.84	359.86	370.88	381.52	392.16	402.42
72.5	272.84	283.86	295.26	306.66	318.06	329.08	340.10	350.74	361.38	372.02
75.0	241.30	252.70	264.10	275.88	286.90	298.68	310.46	321.10	331.74	342.38
77.5	209.76	221.92	234.46	247.00	258.40	269.80	281.58	292.98	303.62	314.26
80.0	180.12	193.42	205.96	218.50	231.04	242.44	254.22	265.62	276.64	287.28
82.5	153.52	166.82	180.12	192.66	205.20	216.98	228.38	239.78	250.80	261.44
85.0	130.34	143.26	155.80	168.72	181.26	193.04	204.44	215.84	226.86	237.50
87.5	109.44	122.36	134.90	147.44	159.60	171.38	182.78	193.80	204.44	215.08
90.0	91.96	104.12	116.28	128.44	140.22	151.62	163.02	174.04	184.30	194.18
95.0	64.60	75.24	85.88	96.52	107.54	117.80	128.44	138.32	148.20	157.70
100.0	45.98	55.10	64.22	73.34	82.84	91.96	101.46	110.20	118.94	127.68
105.0	33.44	40.66	47.88	55.86	63.46	71.44	79.42	87.40	95.00	102.22
110.0	25.08	30.78	36.48	42.56	49.02	55.86	62.32	68.78	75.24	81.70
115.0	19.38	23.56	28.12	33.06	38.38	43.32	49.02	54.34	59.66	64.98
120.0	15.96	19.38	22.80	26.60	30.40	34.58	39.14	43.32	47.50	52.06
125.0	13.68	15.96	18.62	21.66	24.70	27.74	31.16	34.58	38.00	41.42
130.0	12.16	14.06	15.96	18.24	20.52	23.18	25.46	28.12	30.78	33.44
135.0	11.02	12.54	14.06	15.96	17.86	19.76	21.66	23.56	25.46	27.74
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert.  
Angles**

**Horizontal Angles**

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50
2.5	1073.88	1073.88	1073.88	1073.50	1073.50	1073.50	1073.88	1074.26	1073.88	1073.12
5.0	1070.46	1070.08	1070.08	1070.08	1070.08	1070.46	1070.84	1071.22	1070.84	1070.08
7.5	1064.38	1064.38	1064.38	1064.38	1064.38	1065.14	1065.52	1065.52	1065.52	1065.14
10.0	1055.64	1056.02	1056.40	1056.40	1056.78	1057.54	1058.30	1058.68	1058.30	1057.92
12.5	1045.00	1045.38	1045.76	1046.14	1046.90	1047.66	1048.80	1049.18	1049.18	1048.80
15.0	1031.70	1032.46	1033.60	1034.36	1035.12	1036.26	1037.40	1037.78	1038.16	1038.16
17.5	1016.50	1017.64	1018.78	1019.92	1021.06	1022.20	1023.72	1024.48	1024.86	1025.24
20.0	999.40	1000.92	1002.06	1003.58	1005.10	1007.00	1008.52	1009.66	1010.42	1010.80
22.5	980.40	981.92	983.82	985.72	987.62	989.90	991.80	993.32	994.08	994.46
25.0	958.36	960.64	963.30	965.58	967.86	970.52	972.80	974.32	975.46	976.60
27.5	935.56	938.22	941.26	944.30	947.34	950.00	952.66	954.18	955.70	957.22
30.0	910.86	914.28	917.70	920.74	924.54	927.58	930.24	932.52	934.42	935.94
32.5	884.64	888.44	892.24	896.42	900.22	903.64	906.68	909.34	911.24	913.52
35.0	856.90	861.46	865.64	870.20	874.38	878.18	881.98	885.02	887.30	889.58
37.5	828.02	832.96	837.90	842.84	847.78	851.96	855.38	858.80	861.84	864.50

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**CANDELA TABULATION - (Cont.)**

40.0	798.00	803.70	809.02	814.34	819.66	824.22	828.02	831.82	835.24	838.28
42.5	767.22	773.30	779.38	785.08	790.78	795.34	799.90	804.08	807.50	810.92
45.0	736.06	742.52	748.98	755.44	761.14	766.46	771.02	775.58	779.38	783.18
47.5	704.14	711.36	718.20	724.66	730.74	736.44	741.38	746.32	750.50	754.68
50.0	671.46	679.06	686.28	693.12	699.58	705.66	710.98	715.92	720.86	725.04
52.5	638.40	646.38	653.98	661.20	667.66	674.12	679.82	685.52	690.46	695.02
55.0	605.34	613.32	621.30	628.52	635.74	642.58	648.66	654.36	659.68	664.24
57.5	571.90	580.26	588.24	596.22	603.82	610.66	617.12	623.20	628.52	633.46
60.0	538.84	547.20	555.94	563.92	571.52	578.74	585.58	592.04	597.36	602.68
62.5	505.78	514.90	523.64	532.00	539.60	547.20	554.04	560.88	566.58	571.52
65.0	473.10	482.60	491.34	500.08	508.06	515.66	522.88	529.72	535.42	540.74
67.5	441.94	451.06	460.18	468.92	477.28	484.88	492.48	498.94	505.02	509.96
70.0	412.68	421.42	430.16	438.90	447.64	455.24	462.84	469.30	475.38	480.32
72.5	382.28	392.16	400.52	409.26	418.00	425.98	433.20	439.66	445.36	450.68
75.0	353.02	362.90	371.64	380.38	388.74	396.72	403.56	410.02	416.10	421.04
77.5	324.90	334.78	343.90	352.26	360.62	368.22	375.44	381.90	387.60	392.92
80.0	297.54	307.42	316.92	325.28	333.64	341.24	348.08	354.54	360.62	365.56
82.5	271.70	281.58	291.08	299.44	307.80	315.02	322.24	328.70	334.40	339.34
85.0	247.38	257.26	266.38	275.12	283.10	290.70	297.54	303.62	309.32	314.26
87.5	224.96	234.46	243.58	251.94	259.92	267.14	273.98	280.06	285.38	290.32
90.0	204.06	213.56	221.92	230.28	238.26	245.48	251.94	257.64	262.96	267.52
95.0	166.44	175.18	183.54	191.14	198.36	205.20	211.28	216.98	221.54	226.10
100.0	135.66	143.64	150.86	157.70	164.54	170.24	175.94	180.88	185.44	189.24
105.0	109.44	116.66	123.12	129.58	135.28	140.60	145.54	150.10	153.90	157.32
110.0	87.78	93.86	99.56	105.26	110.58	115.14	119.70	123.50	126.92	129.96
115.0	70.30	75.62	80.18	84.74	89.30	93.48	97.28	100.70	103.74	106.78
120.0	56.24	60.42	64.60	68.40	72.20	75.62	79.04	82.08	84.74	87.02
125.0	45.22	48.64	51.68	55.10	58.14	60.80	63.46	66.12	68.40	70.30
130.0	36.48	39.14	41.42	44.08	46.74	49.02	50.92	53.20	54.72	56.24
135.0	29.64	31.92	33.82	35.72	37.62	39.52	41.04	42.56	44.08	45.22
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert.  
Angles**

**Horizontal Angles**

	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>
0.0	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50	1073.50
2.5	1072.36	1071.60	1071.22	1070.84	1070.08	1068.94	1068.18
5.0	1069.32	1068.56	1068.18	1068.18	1067.42	1066.28	1065.52
7.5	1064.38	1064.00	1063.62	1063.62	1062.86	1061.72	1060.58
10.0	1057.54	1056.78	1056.78	1056.78	1056.02	1054.88	1054.50
12.5	1048.42	1048.42	1048.42	1048.42	1047.66	1046.52	1045.76
15.0	1037.78	1037.78	1037.78	1037.78	1037.40	1036.26	1035.88
17.5	1025.24	1025.62	1025.62	1025.62	1025.24	1024.48	1024.10
20.0	1010.80	1011.18	1011.94	1011.94	1011.94	1010.80	1010.80
22.5	995.22	995.60	996.36	996.74	996.36	995.60	995.60
25.0	977.36	978.12	978.88	979.64	979.64	978.88	978.50
27.5	957.98	959.12	960.26	961.02	961.02	960.64	959.88
30.0	937.46	938.98	940.12	940.88	940.88	940.50	940.50
32.5	915.42	916.94	918.46	919.22	919.60	919.22	919.22
35.0	891.48	893.38	895.28	896.42	896.80	896.42	896.42
37.5	866.78	869.06	870.96	872.10	872.86	872.48	872.48
40.0	840.94	843.60	845.50	847.02	847.78	847.78	847.40
42.5	813.96	817.00	819.28	820.42	821.18	821.56	821.56
45.0	786.60	789.64	791.92	793.82	794.58	794.58	794.96
47.5	758.48	761.52	764.18	765.70	766.84	767.22	767.22
50.0	729.22	732.26	734.92	736.82	737.96	738.34	738.72
52.5	698.82	702.62	705.28	707.18	708.32	708.70	709.08
55.0	668.80	672.22	675.26	676.78	678.30	679.06	679.06
57.5	638.02	641.82	644.48	646.76	647.90	648.66	649.42
60.0	607.24	610.66	613.70	615.98	617.12	617.88	618.64

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>62.5</b>	576.08	579.88	582.92	585.20	586.72	587.48	587.86
<b>65.0</b>	544.92	548.72	551.76	554.04	555.56	556.70	557.08
<b>67.5</b>	514.52	518.32	521.36	523.64	525.16	525.92	526.68
<b>70.0</b>	484.88	488.68	491.72	494.00	495.52	496.66	497.04
<b>72.5</b>	455.24	459.04	462.08	464.36	465.88	466.64	467.40
<b>75.0</b>	425.60	429.40	432.44	434.72	436.62	437.76	438.14
<b>77.5</b>	397.48	401.28	403.94	406.60	408.12	409.26	409.64
<b>80.0</b>	369.74	373.54	376.58	378.86	380.76	381.52	382.28
<b>82.5</b>	343.52	347.32	350.36	352.64	354.16	354.92	355.68
<b>85.0</b>	318.44	321.86	324.52	327.18	328.70	329.46	330.22
<b>87.5</b>	294.12	297.92	300.58	302.86	304.38	305.14	305.90
<b>90.0</b>	271.70	275.12	277.40	279.68	281.20	281.96	282.72
<b>95.0</b>	229.90	232.94	235.22	237.50	238.64	239.40	240.16
<b>100.0</b>	192.66	195.32	197.60	199.50	200.64	201.40	201.78
<b>105.0</b>	160.36	163.02	164.92	166.44	167.58	168.34	168.72
<b>110.0</b>	132.62	134.90	136.42	137.94	138.70	139.46	139.84
<b>115.0</b>	108.68	110.58	112.10	113.24	114.00	114.38	114.76
<b>120.0</b>	88.92	90.44	91.58	92.34	93.10	93.48	93.86
<b>125.0</b>	71.82	73.34	74.10	74.86	75.24	75.62	76.00
<b>130.0</b>	57.76	58.52	59.28	60.04	60.42	60.80	60.80
<b>135.0</b>	45.98	47.12	47.50	47.88	48.26	48.64	48.64
<b>180.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	391.61	10.30	10.20
0-30	830.47	21.90	21.70
0-40	1360.37	35.80	35.60
0-60	2440.92	64.20	63.80
0-80	3221.75	84.80	84.30
0-90	3450.00	90.80	90.20
10-90	3348.51	88.10	87.60
20-40	968.76	25.50	25.30
20-50	1525.59	40.10	39.90
40-70	1524.48	40.10	39.90
60-80	780.83	20.50	20.40
70-80	336.89	8.90	8.80
80-90	228.25	6.00	6.00
90-110	244.26	6.40	6.40
90-120	303.20	8.00	7.90
90-130	338.41	8.90	8.80
90-150	350.05	9.20	9.20
90-180	374.02	9.80	9.80
110-180	129.76	3.40	3.40
0-180	3824.02	100.60	100.00

Total Luminaire Efficiency = 100.60%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	101.49
10-20	290.12
20-30	438.86
30-40	529.90
40-50	556.83
50-60	523.72
60-70	443.93
70-80	336.89
80-90	228.25
90-100	148.88
100-110	95.38
110-120	58.94
120-130	35.22
130-140	11.63
140-150	0.00
150-160	0.00
160-170	0.00
170-180	23.97

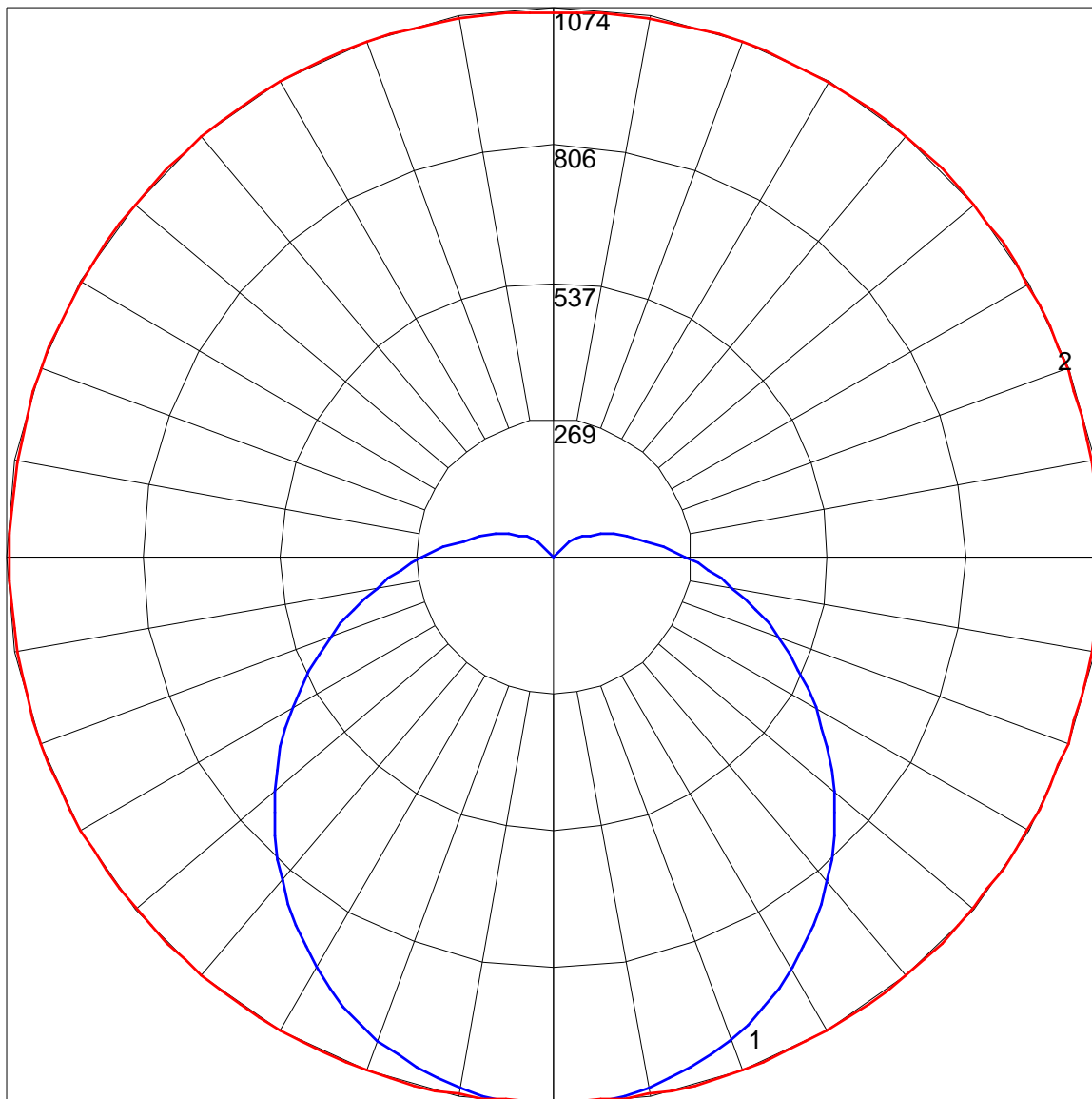
**IES INDOOR REPORT**  
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	114	114	114	114	106	106	106	100	100	100	94	94	94	91
1	105	99	94	90	101	96	91	87	90	86	83	84	81	78	79	77	74	72
2	95	86	78	72	91	83	76	70	78	72	67	73	68	64	68	64	61	58
3	86	75	66	59	83	72	64	58	68	61	55	64	58	53	60	55	51	48
4	79	66	56	49	75	64	55	48	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	51	44	39	48	42	38	35
6	66	53	43	37	64	51	42	36	48	41	35	46	39	34	43	37	33	31
7	62	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	27	38	32	27	36	30	26	24
9	53	40	31	26	52	39	31	25	37	30	25	35	29	24	33	28	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

POLAR GRAPH



Maximum Candela = 1074.26 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5

# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)