

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P571913

Luminaire Tested: 22ID-30-L830-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-397-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2021
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22ID-30-L830-SWR
Description: 3000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 3000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2938.0 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.2 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

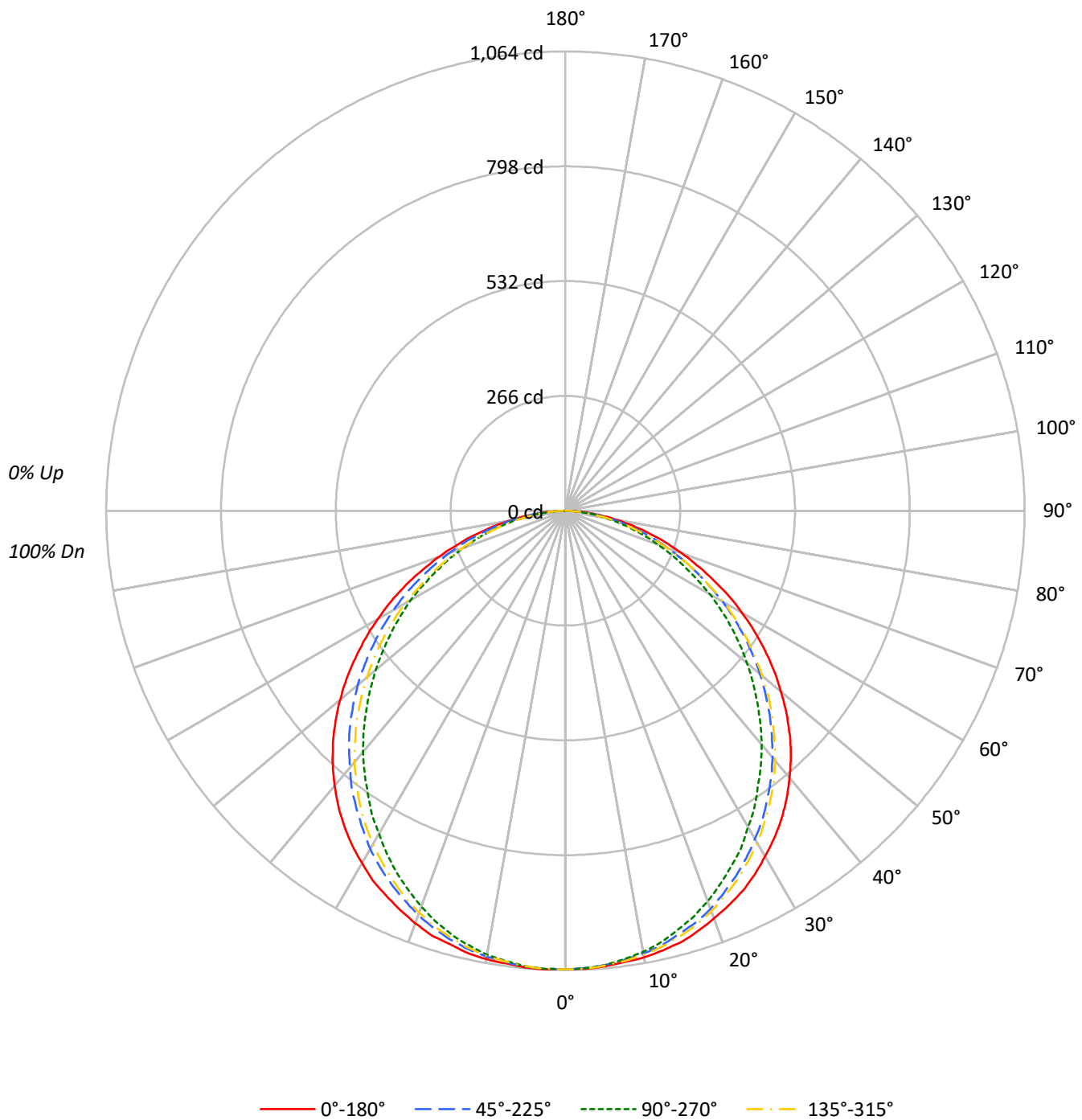
Input Watts (W): 24.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	76	72
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	51	46
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40
7	65	52	43	37	64	51	43	37	49	42	36	48	41	36	47	41	36
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	33	29
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2859	2859	2859	2859
5°	2862	2854	2870	2862
10°	2871	2835	2883	2855
15°	2882	2801	2895	2834
20°	2879	2758	2913	2796
25°	2886	2699	2920	2747
30°	2875	2630	2929	2684
35°	2867	2555	2934	2622
40°	2840	2486	2922	2563
45°	2799	2393	2899	2482
50°	2731	2303	2853	2401
55°	2649	2198	2786	2314
60°	2545	2081	2702	2223
65°	2397	1933	2602	2090
70°	2250	1791	2445	1975
75°	2078	1623	2276	1836
80°	1877	1424	2013	1650
85°	1531	1170	1578	1396

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 2899 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.6	3.4
10°-20°	288.7	9.8
20°-30°	435.8	14.8
30°-40°	520.3	17.7
40°-50°	530.9	18.1
50°-60°	468.2	15.9
60°-70°	346.0	11.8
70°-80°	195.1	6.6
80°-90°	52.2	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	825.1	28.1
0°-40°	1345.5	45.8
0°-60°	2344.6	79.8
0°-90°	2938.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2938.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1062	1062	1062	1062	1062	
5°	1059	1056	1062	1059	1059	101
15°	1035	1005	1039	1017	1035	292
25°	972	909	984	925	972	448
35°	873	778	893	798	873	545
45°	736	629	762	652	736	566
55°	565	468	594	493	565	505
65°	376	304	409	328	376	374
75°	200	156	219	177	200	212
85°	50	38	51	45	50	58
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3
2.5°	1062.3	1062.3	1062.3	1062.3	1060.9	1059.4	1059.4	1060.9	1060.9	1059.4	1060.9
5°	1059.4	1059.4	1059.4	1058.0	1056.5	1056.5	1056.5	1056.5	1055.0	1056.5	1056.5
7.5°	1055.0	1055.0	1055.0	1053.6	1052.1	1052.1	1052.1	1050.7	1049.2	1050.7	1049.2
10°	1050.7	1049.2	1049.2	1049.2	1046.3	1044.8	1044.8	1044.8	1043.4	1043.4	1041.9
12.5°	1043.4	1041.9	1041.9	1040.5	1039.0	1037.5	1036.1	1034.6	1033.2	1031.7	1031.7
15°	1034.6	1034.6	1031.7	1030.2	1027.3	1025.9	1024.4	1022.9	1020.0	1018.6	1015.6
17.5°	1021.5	1021.5	1018.6	1017.1	1014.2	1011.3	1011.3	1008.3	1005.4	1002.5	1001.1
20°	1005.4	1006.9	1005.4	1002.5	998.1	996.7	995.2	992.3	987.9	985.0	982.1
22.5°	989.4	990.8	987.9	983.5	980.6	979.2	976.2	971.9	967.5	963.1	958.7
25°	971.9	970.4	967.5	964.6	960.2	958.7	955.8	951.4	944.1	939.8	933.9
27.5°	950.0	950.0	945.6	942.7	935.4	935.4	931.0	925.2	919.3	912.0	907.7
30°	925.2	925.2	922.3	917.9	910.6	909.1	904.7	900.4	891.6	884.3	878.5
32.5°	900.4	898.9	896.0	891.6	884.3	881.4	877.0	871.2	863.9	853.7	849.3
35°	872.6	871.2	866.8	861.0	855.1	852.2	847.8	840.5	833.2	823.0	815.7
37.5°	842.0	840.5	836.2	830.3	823.0	820.1	815.7	808.4	798.2	790.9	782.2
40°	808.4	807.0	804.1	798.2	790.9	788.0	782.2	774.9	763.2	754.4	747.1
42.5°	773.4	771.9	767.6	760.3	754.4	751.5	745.7	738.4	728.2	718.0	707.7
45°	735.5	734.0	729.6	720.9	716.5	712.1	706.3	699.0	690.2	681.5	669.8
47.5°	694.6	693.1	690.2	682.9	674.2	672.7	666.9	659.6	649.4	637.7	628.9
50°	652.3	652.3	647.9	642.1	636.2	631.9	626.0	618.7	605.6	598.3	588.1
52.5°	610.0	608.5	605.6	598.3	593.9	589.5	582.2	577.9	564.7	558.9	547.2
55°	564.7	563.3	557.4	553.1	550.1	545.8	539.9	531.2	523.9	515.1	504.9
57.5°	519.5	518.0	513.7	510.7	504.9	500.5	494.7	488.9	478.6	472.8	462.6
60°	472.8	472.8	469.9	465.5	459.7	455.3	450.9	445.1	436.3	427.6	420.3
62.5°	426.1	426.1	421.7	417.3	414.4	410.1	407.1	399.8	392.5	386.7	375.0
65°	376.5	376.5	370.7	369.2	366.3	363.4	359.0	351.7	347.3	337.1	332.7
67.5°	329.8	331.3	326.9	326.9	322.5	319.6	315.2	309.4	305.0	296.2	291.9
70°	286.0	287.5	284.6	283.1	278.7	275.8	272.9	268.5	262.7	259.7	252.5
72.5°	242.2	243.7	240.8	240.8	236.4	234.9	232.0	229.1	223.3	220.3	213.1
75°	199.9	198.5	198.5	199.9	195.5	194.1	192.6	186.8	183.9	180.9	175.1
77.5°	159.1	159.1	160.5	159.1	156.1	154.7	151.8	147.4	145.9	144.5	138.6
80°	121.1	122.6	122.6	121.1	118.2	116.7	115.3	110.9	109.4	109.4	105.1
82.5°	84.6	84.6	83.2	84.6	81.7	80.3	81.7	77.3	75.9	75.9	73.0
85°	49.6	48.2	48.2	49.6	48.2	48.2	48.2	45.2	45.2	45.2	42.3
87.5°	19.0	19.0	20.4	20.4	19.0	19.0	19.0	19.0	17.5	17.5	16.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3
2.5°	1059.4	1059.4	1059.4	1059.4	1060.9	1059.4	1060.9	1060.9	1062.3	1060.9	1062.3
5°	1056.5	1056.5	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1056.5	1056.5
7.5°	1049.2	1049.2	1047.7	1047.7	1047.7	1047.7	1046.3	1046.3	1047.7	1047.7	1047.7
10°	1040.5	1039.0	1037.5	1037.5	1037.5	1037.5	1036.1	1037.5	1037.5	1037.5	1037.5
12.5°	1027.3	1027.3	1025.9	1024.4	1024.4	1024.4	1022.9	1024.4	1024.4	1024.4	1024.4
15°	1014.2	1012.7	1011.3	1008.3	1008.3	1006.9	1005.4	1006.9	1005.4	1005.4	1006.9
17.5°	995.2	995.2	992.3	990.8	989.4	987.9	986.5	986.5	986.5	986.5	989.4
20°	976.2	974.8	971.9	966.0	967.5	966.0	963.1	964.6	964.6	963.1	963.1
22.5°	955.8	950.0	947.1	941.2	942.7	939.8	938.3	939.8	938.3	936.8	939.8
25°	928.1	925.2	917.9	917.9	915.0	913.5	913.5	912.0	910.6	909.1	912.0
27.5°	903.3	897.4	893.1	887.2	884.3	884.3	882.9	881.4	878.5	881.4	881.4
30°	872.6	866.8	859.5	856.6	853.7	853.7	850.7	849.3	846.4	846.4	850.7
32.5°	843.5	834.7	827.4	823.0	821.6	820.1	818.6	812.8	814.3	815.7	817.2
35°	808.4	801.1	795.3	790.9	786.5	785.1	783.6	779.2	779.2	777.8	782.2
37.5°	774.9	766.1	761.7	754.4	751.5	748.6	747.1	744.2	742.8	744.2	745.7
40°	738.4	731.1	723.8	716.5	713.6	712.1	707.7	707.7	704.8	707.7	707.7
42.5°	700.4	693.1	684.4	678.6	675.6	672.7	669.8	668.3	668.3	668.3	669.8
45°	662.5	653.7	645.0	639.2	636.2	634.8	630.4	628.9	626.0	628.9	630.4
47.5°	621.6	614.3	605.6	601.2	596.8	595.4	591.0	588.1	586.6	589.5	589.5
50°	580.8	573.5	566.2	560.4	556.0	554.5	550.1	550.1	547.2	550.1	550.1
52.5°	539.9	532.6	525.3	518.0	515.1	513.7	509.3	509.3	509.3	509.3	509.3
55°	499.1	488.9	484.5	477.2	474.3	472.8	471.3	467.0	468.4	468.4	468.4
57.5°	456.7	449.5	440.7	437.8	433.4	431.9	431.9	426.1	424.6	427.6	427.6
60°	414.4	408.6	399.8	395.5	392.5	392.5	388.2	382.3	380.9	386.7	386.7
62.5°	370.7	361.9	357.5	353.1	350.2	348.8	347.3	342.9	344.4	342.9	342.9
65°	329.8	321.0	318.1	313.7	310.8	309.4	307.9	305.0	302.1	303.5	303.5
67.5°	288.9	281.6	277.3	274.3	271.4	271.4	268.5	265.6	267.0	265.6	265.6
70°	249.5	243.7	237.9	236.4	233.5	233.5	232.0	230.6	229.1	227.6	227.6
72.5°	211.6	205.8	201.4	198.5	197.0	197.0	195.5	191.2	192.6	191.2	191.2
75°	172.2	167.8	166.4	163.4	162.0	162.0	160.5	157.6	159.1	156.1	153.2
77.5°	137.2	132.8	131.3	129.9	131.3	129.9	125.5	127.0	125.5	122.6	122.6
80°	105.1	100.7	100.7	97.8	96.3	96.3	94.9	94.9	93.4	91.9	91.9
82.5°	71.5	70.0	68.6	67.1	65.7	68.6	65.7	64.2	64.2	64.2	62.7
85°	40.9	40.9	39.4	39.4	37.9	39.4	37.9	36.5	37.9	37.9	35.0
87.5°	16.1	17.5	14.6	14.6	14.6	14.6	13.1	14.6	14.6	14.6	13.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3
2.5°	1062.3	1060.9	1060.9	1060.9	1060.9	1059.4	1060.9	1060.9	1062.3	1060.9	1060.9
5°	1056.5	1055.0	1056.5	1055.0	1055.0	1056.5	1056.5	1058.0	1058.0	1059.4	1059.4
7.5°	1047.7	1047.7	1047.7	1047.7	1047.7	1049.2	1049.2	1050.7	1052.1	1052.1	1053.6
10°	1037.5	1037.5	1039.0	1037.5	1039.0	1040.5	1041.9	1043.4	1044.8	1046.3	1046.3
12.5°	1024.4	1024.4	1024.4	1027.3	1027.3	1028.8	1030.2	1033.2	1034.6	1037.5	1037.5
15°	1006.9	1006.9	1009.8	1009.8	1011.3	1014.2	1017.1	1018.6	1021.5	1024.4	1025.9
17.5°	987.9	987.9	990.8	990.8	992.3	996.7	999.6	1001.1	1006.9	1009.8	1012.7
20°	966.0	966.0	970.4	968.9	971.9	976.2	979.2	983.5	987.9	992.3	995.2
22.5°	939.8	941.2	945.6	945.6	947.1	952.9	957.3	961.7	966.0	971.9	976.2
25°	912.0	913.5	917.9	919.3	920.8	926.6	932.5	935.4	942.7	950.0	952.9
27.5°	881.4	884.3	887.2	888.7	891.6	898.9	904.7	910.6	916.4	923.7	929.5
30°	850.7	853.7	856.6	858.0	861.0	868.3	874.1	881.4	888.7	896.0	901.8
32.5°	815.7	820.1	823.0	825.9	827.4	836.2	843.5	850.7	858.0	866.8	874.1
35°	782.2	786.5	789.5	790.9	793.8	802.6	808.4	815.7	825.9	834.7	842.0
37.5°	745.7	748.6	754.4	754.4	757.4	767.6	774.9	782.2	792.4	801.1	809.9
40°	709.2	710.7	716.5	718.0	720.9	731.1	738.4	748.6	755.9	766.1	774.9
42.5°	669.8	674.2	680.0	682.9	685.9	691.7	697.5	709.2	716.5	728.2	736.9
45°	630.4	634.8	637.7	639.2	646.5	652.3	658.1	669.8	678.6	688.8	699.0
47.5°	591.0	593.9	598.3	604.1	607.1	612.9	617.3	628.9	637.7	649.4	658.1
50°	550.1	554.5	557.4	558.9	564.7	572.0	577.9	588.1	595.4	607.1	617.3
52.5°	509.3	515.1	515.1	521.0	523.9	526.8	535.5	545.8	553.1	563.3	573.5
55°	469.9	472.8	477.2	478.6	483.0	485.9	491.8	502.0	510.7	521.0	531.2
57.5°	426.1	429.0	431.9	437.8	440.7	446.5	452.4	459.7	467.0	477.2	484.5
60°	383.8	388.2	391.1	395.5	395.5	402.8	410.1	417.3	423.2	433.4	440.7
62.5°	345.8	345.8	345.8	351.7	350.2	356.1	361.9	370.7	376.5	389.6	398.4
65°	305.0	306.4	306.4	310.8	309.4	315.2	319.6	328.3	334.2	341.5	350.2
67.5°	265.6	265.6	267.0	271.4	270.0	274.3	281.6	286.0	290.4	299.1	306.4
70°	224.7	226.2	227.6	232.0	230.6	236.4	240.8	243.7	249.5	255.4	261.2
72.5°	189.7	189.7	194.1	194.1	192.6	197.0	201.4	204.3	207.2	214.5	221.8
75°	156.1	154.7	157.6	157.6	156.1	157.6	160.5	164.9	167.8	173.7	179.5
77.5°	122.6	121.1	124.0	124.0	124.0	122.6	127.0	128.4	129.9	132.8	138.6
80°	90.5	89.0	91.9	91.9	89.0	90.5	93.4	94.9	94.9	97.8	102.1
82.5°	62.7	61.3	62.7	62.7	62.7	62.7	64.2	62.7	64.2	64.2	68.6
85°	37.9	36.5	37.9	36.5	36.5	35.0	37.9	36.5	36.5	37.9	37.9
87.5°	13.1	13.1	14.6	14.6	13.1	14.6	13.1	13.1	13.1	14.6	13.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571913

CATALOG NUMBER: 22ID-30-L830-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3
2.5°	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1063.8	1063.8	1062.3	1063.8	1062.3
5°	1059.4	1059.4	1060.9	1060.9	1060.9	1060.9	1060.9	1062.3	1062.3	1062.3	1060.9
7.5°	1055.0	1055.0	1055.0	1055.0	1056.5	1058.0	1058.0	1058.0	1059.4	1058.0	1058.0
10°	1047.7	1050.7	1050.7	1052.1	1052.1	1053.6	1055.0	1055.0	1055.0	1055.0	1055.0
12.5°	1040.5	1041.9	1043.4	1044.8	1046.3	1046.3	1049.2	1049.2	1049.2	1049.2	1047.7
15°	1028.8	1031.7	1033.2	1034.6	1037.5	1037.5	1040.5	1039.0	1041.9	1040.5	1039.0
17.5°	1015.6	1018.6	1021.5	1021.5	1025.9	1027.3	1030.2	1031.7	1031.7	1030.2	1027.3
20°	999.6	1004.0	1005.4	1008.3	1011.3	1014.2	1015.6	1017.1	1018.6	1017.1	1015.6
22.5°	980.6	986.5	987.9	990.8	995.2	998.1	999.6	1001.1	1002.5	1002.5	999.6
25°	960.2	967.5	967.5	971.9	976.2	980.6	983.5	983.5	986.5	983.5	983.5
27.5°	935.4	944.1	948.5	950.0	955.8	960.2	963.1	966.0	966.0	963.1	963.1
30°	910.6	919.3	923.7	925.2	932.5	936.8	939.8	942.7	942.7	942.7	939.8
32.5°	882.9	893.1	897.4	898.9	907.7	912.0	916.4	919.3	919.3	917.9	913.5
35°	853.7	861.0	868.3	871.2	878.5	882.9	890.1	893.1	891.6	891.6	887.2
37.5°	820.1	831.8	836.2	839.1	847.8	853.7	861.0	863.9	863.9	862.4	859.5
40°	785.1	798.2	802.6	807.0	815.7	823.0	827.4	831.8	831.8	831.8	828.9
42.5°	750.1	760.3	766.1	770.5	780.7	785.1	792.4	798.2	798.2	796.8	792.4
45°	710.7	722.3	728.2	732.5	742.8	751.5	755.9	761.7	760.3	760.3	754.4
47.5°	671.3	682.9	688.8	693.1	703.4	713.6	716.5	722.3	722.3	722.3	716.5
50°	630.4	642.1	646.5	650.8	662.5	668.3	675.6	681.5	681.5	682.9	677.1
52.5°	588.1	596.8	604.1	607.1	618.7	626.0	631.9	639.2	639.2	636.2	636.2
55°	542.8	553.1	560.4	563.3	572.0	583.7	588.1	593.9	593.9	593.9	591.0
57.5°	497.6	509.3	515.1	518.0	528.3	537.0	542.8	548.7	550.1	550.1	544.3
60°	450.9	462.6	468.4	471.3	483.0	490.3	496.1	502.0	503.4	504.9	499.1
62.5°	407.1	417.3	423.2	426.1	434.9	440.7	448.0	455.3	456.7	456.7	453.8
65°	359.0	369.2	373.6	376.5	383.8	394.0	402.8	408.6	410.1	408.6	408.6
67.5°	313.7	322.5	328.3	329.8	337.1	347.3	351.7	357.5	359.0	359.0	357.5
70°	268.5	278.7	283.1	286.0	291.9	300.6	305.0	310.8	312.3	313.7	310.8
72.5°	226.2	233.5	237.9	240.8	248.1	255.4	258.3	264.1	267.0	267.0	264.1
75°	183.9	191.2	194.1	197.0	202.8	210.1	213.1	218.9	221.8	220.3	220.3
77.5°	143.0	148.8	151.8	153.2	157.6	166.4	167.8	173.7	173.7	175.1	175.1
80°	105.1	109.4	112.4	113.8	116.7	122.6	125.5	129.9	132.8	131.3	131.3
82.5°	70.0	73.0	75.9	78.8	78.8	84.6	84.6	89.0	89.0	91.9	90.5
85°	39.4	40.9	42.3	43.8	43.8	48.2	48.2	51.1	54.0	51.1	51.1
87.5°	13.1	14.6	14.6	16.1	14.6	17.5	16.1	19.0	20.4	20.4	19.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571913

CATALOG NUMBER: 22ID-30-L830-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3
2.5°	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3
5°	1060.9	1060.9	1059.4	1060.9	1060.9	1060.9	1060.9	1059.4	1059.4	1059.4	1059.4
7.5°	1058.0	1056.5	1056.5	1056.5	1055.0	1055.0	1055.0	1055.0	1053.6	1053.6	1053.6
10°	1053.6	1052.1	1052.1	1052.1	1050.7	1050.7	1049.2	1047.7	1047.7	1046.3	1044.8
12.5°	1047.7	1046.3	1044.8	1044.8	1043.4	1041.9	1040.5	1039.0	1037.5	1034.6	1034.6
15°	1037.5	1037.5	1036.1	1034.6	1031.7	1031.7	1028.8	1027.3	1024.4	1021.5	1021.5
17.5°	1027.3	1025.9	1024.4	1021.5	1018.6	1017.1	1014.2	1011.3	1008.3	1005.4	1004.0
20°	1014.2	1009.8	1011.3	1006.9	1004.0	1001.1	996.7	993.8	989.4	986.5	983.5
22.5°	996.7	995.2	993.8	989.4	985.0	983.5	976.2	971.9	967.5	963.1	960.2
25°	977.7	976.2	974.8	970.4	964.6	961.7	954.4	950.0	942.7	939.8	936.8
27.5°	955.8	955.8	952.9	947.1	942.7	935.4	931.0	922.3	916.4	912.0	909.1
30°	932.5	932.5	929.5	922.3	916.4	909.1	904.7	896.0	888.7	884.3	878.5
32.5°	909.1	907.7	904.7	897.4	890.1	882.9	874.1	866.8	858.0	853.7	847.8
35°	881.4	879.9	877.0	868.3	862.4	853.7	843.5	834.7	825.9	821.6	812.8
37.5°	852.2	849.3	846.4	836.2	828.9	820.1	812.8	801.1	792.4	786.5	782.2
40°	820.1	818.6	814.3	805.5	795.3	786.5	776.3	767.6	758.8	751.5	745.7
42.5°	788.0	782.2	779.2	770.5	763.2	750.1	742.8	731.1	722.3	716.5	707.7
45°	751.5	747.1	742.8	734.0	723.8	713.6	706.3	693.1	684.4	677.1	669.8
47.5°	710.7	709.2	704.8	694.6	685.9	675.6	666.9	653.7	645.0	639.2	631.9
50°	669.8	668.3	665.4	655.2	643.5	634.8	627.5	614.3	605.6	596.8	592.5
52.5°	631.9	626.0	623.1	614.3	602.7	592.5	586.6	573.5	564.7	556.0	550.1
55°	588.1	583.7	580.8	573.5	563.3	550.1	544.3	532.6	525.3	519.5	510.7
57.5°	544.3	538.5	535.5	526.8	519.5	509.3	502.0	490.3	483.0	477.2	471.3
60°	494.7	494.7	491.8	483.0	475.7	465.5	459.7	448.0	440.7	436.3	429.0
62.5°	453.8	448.0	446.5	436.3	431.9	421.7	417.3	407.1	402.8	395.5	388.2
65°	402.8	402.8	401.3	395.5	389.6	376.5	370.7	361.9	357.5	351.7	345.8
67.5°	357.5	353.1	353.1	347.3	340.0	332.7	328.3	319.6	316.7	309.4	305.0
70°	312.3	307.9	307.9	300.6	296.2	288.9	286.0	278.7	272.9	270.0	265.6
72.5°	267.0	264.1	262.7	256.8	253.9	246.6	245.2	237.9	232.0	230.6	226.2
75°	221.8	218.9	214.5	216.0	210.1	204.3	202.8	198.5	195.5	191.2	186.8
77.5°	176.6	173.7	173.7	170.7	167.8	163.4	162.0	159.1	154.7	151.8	148.8
80°	134.3	131.3	131.3	129.9	125.5	122.6	122.6	118.2	118.2	115.3	113.8
82.5°	91.9	90.5	89.0	90.5	87.6	84.6	86.1	84.6	83.2	80.3	78.8
85°	54.0	52.5	51.1	54.0	51.1	52.5	51.1	49.6	49.6	48.2	46.7
87.5°	20.4	20.4	19.0	20.4	20.4	21.9	20.4	20.4	20.4	20.4	20.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571913

CATALOG NUMBER: 22ID-30-L830-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3
2.5°	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3
5°	1059.4	1059.4	1059.4	1059.4	1059.4	1059.4	1059.4	1059.4	1059.4	1058.0	1059.4
7.5°	1053.6	1052.1	1053.6	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1
10°	1044.8	1044.8	1044.8	1044.8	1044.8	1044.8	1044.8	1044.8	1044.8	1043.4	1043.4
12.5°	1034.6	1034.6	1033.2	1033.2	1033.2	1031.7	1031.7	1033.2	1033.2	1031.7	1033.2
15°	1020.0	1021.5	1018.6	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1018.6
17.5°	1004.0	1002.5	1001.1	1001.1	999.6	998.1	998.1	999.6	999.6	1001.1	1001.1
20°	983.5	983.5	980.6	979.2	977.7	976.2	976.2	977.7	977.7	977.7	980.6
22.5°	960.2	958.7	955.8	954.4	954.4	951.4	952.9	954.4	954.4	954.4	955.8
25°	933.9	932.5	931.0	929.5	926.6	925.2	925.2	928.1	928.1	931.0	932.5
27.5°	906.2	904.7	901.8	898.9	897.4	896.0	896.0	898.9	898.9	901.8	903.3
30°	877.0	875.6	871.2	869.7	865.3	863.9	865.3	868.3	869.7	871.2	872.6
32.5°	846.4	843.5	839.1	837.6	833.2	834.7	831.8	836.2	837.6	839.1	840.5
35°	812.8	809.9	805.5	801.1	799.7	798.2	798.2	801.1	801.1	805.5	807.0
37.5°	776.3	774.9	770.5	767.6	764.7	764.7	761.7	766.1	767.6	770.5	770.5
40°	742.8	741.3	734.0	731.1	728.2	729.6	725.3	729.6	731.1	734.0	735.5
42.5°	703.4	701.9	696.1	693.1	690.2	691.7	687.3	691.7	690.2	694.6	696.1
45°	665.4	664.0	659.6	653.7	650.8	652.3	652.3	652.3	650.8	655.2	656.7
47.5°	627.5	624.6	620.2	614.3	611.4	612.9	612.9	612.9	611.4	617.3	617.3
50°	588.1	585.2	580.8	574.9	573.5	573.5	573.5	573.5	573.5	576.4	577.9
52.5°	547.2	545.8	541.4	535.5	532.6	532.6	532.6	529.7	532.6	534.1	535.5
55°	506.4	504.9	497.6	494.7	491.8	493.2	491.8	490.3	490.3	493.2	494.7
57.5°	465.5	464.0	459.7	458.2	450.9	452.4	450.9	450.9	452.4	452.4	453.8
60°	424.6	423.2	418.8	417.3	411.5	413.0	407.1	410.1	411.5	411.5	411.5
62.5°	380.9	380.9	373.6	370.7	367.7	369.2	364.8	364.8	364.8	367.7	367.7
65°	341.5	340.0	334.2	331.3	328.3	328.3	325.4	325.4	324.0	326.9	326.9
67.5°	300.6	300.6	294.8	291.9	288.9	290.4	286.0	286.0	287.5	287.5	287.5
70°	261.2	261.2	256.8	255.4	251.0	251.0	246.6	248.1	248.1	248.1	248.1
72.5°	223.3	223.3	218.9	217.4	213.1	213.1	208.7	210.1	210.1	208.7	208.7
75°	185.3	186.8	179.5	178.0	175.1	176.6	173.7	172.2	173.7	170.7	170.7
77.5°	147.4	147.4	145.9	144.5	140.1	140.1	138.6	135.7	137.2	134.3	134.3
80°	110.9	112.4	108.0	109.4	105.1	106.5	105.1	102.1	102.1	100.7	99.2
82.5°	77.3	77.3	75.9	77.3	75.9	74.4	73.0	71.5	71.5	68.6	68.6
85°	46.7	48.2	45.2	46.7	46.7	45.2	42.3	42.3	42.3	40.9	40.9
87.5°	19.0	21.9	20.4	20.4	20.4	20.4	19.0	20.4	19.0	17.5	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571913

CATALOG NUMBER: 22ID-30-L830-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3	1062.3
2.5°	1060.9	1062.3	1062.3	1062.3	1062.3	1060.9	1060.9	1060.9	1060.9	1060.9	1062.3
5°	1058.0	1059.4	1059.4	1059.4	1059.4	1059.4	1059.4	1059.4	1059.4	1059.4	1059.4
7.5°	1052.1	1052.1	1053.6	1053.6	1053.6	1053.6	1055.0	1053.6	1055.0	1053.6	1055.0
10°	1043.4	1044.8	1046.3	1046.3	1047.7	1046.3	1047.7	1047.7	1049.2	1049.2	1049.2
12.5°	1033.2	1034.6	1034.6	1037.5	1037.5	1037.5	1039.0	1039.0	1040.5	1041.9	1041.9
15°	1018.6	1020.0	1021.5	1021.5	1024.4	1027.3	1027.3	1028.8	1030.2	1031.7	1031.7
17.5°	1001.1	1002.5	1004.0	1006.9	1009.8	1012.7	1014.2	1014.2	1017.1	1018.6	1018.6
20°	980.6	983.5	986.5	989.4	990.8	995.2	996.7	998.1	1001.1	1004.0	1004.0
22.5°	958.7	960.2	964.6	967.5	970.4	974.8	976.2	980.6	983.5	985.0	986.5
25°	932.5	935.4	939.8	942.7	945.6	951.4	955.8	958.7	963.1	966.0	966.0
27.5°	903.3	907.7	912.0	915.0	919.3	926.6	931.0	933.9	939.8	942.7	944.1
30°	874.1	877.0	882.9	887.2	891.6	898.9	904.7	909.1	915.0	917.9	919.3
32.5°	842.0	846.4	852.2	856.6	862.4	869.7	875.6	879.9	888.7	890.1	891.6
35°	808.4	812.8	817.2	824.5	830.3	837.6	844.9	850.7	855.1	861.0	862.4
37.5°	773.4	777.8	783.6	789.5	795.3	804.1	811.3	815.7	823.0	827.4	830.3
40°	736.9	741.3	748.6	755.9	760.3	769.0	776.3	782.2	792.4	795.3	795.3
42.5°	697.5	703.4	707.7	716.5	720.9	731.1	738.4	747.1	753.0	757.4	758.8
45°	659.6	664.0	672.7	678.6	682.9	693.1	700.4	707.7	715.0	718.0	720.9
47.5°	618.7	624.6	631.9	634.8	642.1	652.3	659.6	666.9	675.6	678.6	680.0
50°	579.3	583.7	588.1	593.9	599.8	610.0	618.7	626.0	633.3	636.2	637.7
52.5°	538.5	542.8	547.2	554.5	557.4	567.7	572.0	579.3	589.5	592.5	593.9
55°	496.1	502.0	507.8	512.2	515.1	523.9	529.7	538.5	544.3	547.2	550.1
57.5°	453.8	458.2	464.0	469.9	471.3	480.1	487.4	491.8	499.1	502.0	504.9
60°	413.0	417.3	421.7	423.2	427.6	436.3	443.6	446.5	453.8	456.7	458.2
62.5°	369.2	370.7	376.5	380.9	380.9	392.5	396.9	402.8	408.6	410.1	413.0
65°	328.3	331.3	331.3	334.2	338.5	345.8	348.8	356.1	360.4	361.9	363.4
67.5°	287.5	290.4	293.3	296.2	296.2	303.5	305.0	310.8	315.2	316.7	318.1
70°	248.1	248.1	252.5	255.4	253.9	259.7	262.7	265.6	271.4	272.9	274.3
72.5°	210.1	208.7	211.6	214.5	217.4	218.9	221.8	223.3	227.6	230.6	232.0
75°	172.2	173.7	173.7	175.1	173.7	175.1	179.5	183.9	186.8	188.2	191.2
77.5°	134.3	135.7	135.7	137.2	138.6	138.6	140.1	145.9	148.8	150.3	148.8
80°	99.2	100.7	100.7	102.1	103.6	105.1	105.1	108.0	112.4	113.8	113.8
82.5°	70.0	70.0	70.0	70.0	71.5	71.5	73.0	75.9	78.8	78.8	81.7
85°	42.3	42.3	40.9	42.3	40.9	42.3	43.8	46.7	48.2	48.2	49.6
87.5°	19.0	17.5	19.0	19.0	17.5	17.5	17.5	19.0	19.0	20.4	20.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571913

CATALOG NUMBER: 22ID-30-L830-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1062.3	1062.3	1062.3	1062.3
2.5°	1062.3	1062.3	1062.3	1062.3
5°	1059.4	1059.4	1059.4	1059.4
7.5°	1055.0	1055.0	1055.0	1055.0
10°	1049.2	1050.7	1050.7	1050.7
12.5°	1041.9	1041.9	1043.4	1043.4
15°	1033.2	1033.2	1033.2	1034.6
17.5°	1020.0	1021.5	1021.5	1021.5
20°	1005.4	1006.9	1006.9	1005.4
22.5°	986.5	987.9	989.4	989.4
25°	967.5	970.4	971.9	971.9
27.5°	945.6	948.5	950.0	950.0
30°	922.3	925.2	925.2	925.2
32.5°	894.5	898.9	900.4	900.4
35°	865.3	871.2	872.6	872.6
37.5°	834.7	837.6	842.0	842.0
40°	801.1	804.1	808.4	808.4
42.5°	764.7	770.5	770.5	773.4
45°	725.3	731.1	732.5	735.5
47.5°	685.9	691.7	693.1	694.6
50°	643.5	647.9	652.3	652.3
52.5°	601.2	604.1	607.1	610.0
55°	556.0	560.4	561.8	564.7
57.5°	509.3	515.1	516.6	519.5
60°	464.0	468.4	471.3	472.8
62.5°	418.8	421.7	423.2	426.1
65°	369.2	373.6	373.6	376.5
67.5°	324.0	326.9	328.3	329.8
70°	275.8	281.6	283.1	286.0
72.5°	233.5	239.3	239.3	242.2
75°	195.5	197.0	197.0	199.9
77.5°	154.7	156.1	157.6	159.1
80°	116.7	118.2	118.2	121.1
82.5°	83.2	83.2	83.2	84.6
85°	51.1	49.6	48.2	49.6
87.5°	20.4	20.4	21.9	19.0
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571913
CATALOG NUMBER: 22ID-30-L830-SWR

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.56	17.19	15.93	17.50	17.82	14.45	16.07	14.81	16.39	16.70
	3H	17.31	18.78	17.69	19.11	19.47	16.06	17.53	16.44	17.86	18.22
	4H	17.97	19.36	18.37	19.70	20.08	16.66	18.04	17.05	18.39	18.76
	6H	18.46	19.75	18.88	20.11	20.50	17.09	18.37	17.50	18.74	19.13
	8H	18.62	19.85	19.05	20.24	20.64	17.22	18.45	17.65	18.84	19.24
	12H	18.72	19.90	19.15	20.28	20.71	17.30	18.48	17.73	18.86	19.29
4H	2H	16.05	17.43	16.44	17.78	18.15	15.15	16.53	15.54	16.88	17.25
	3H	18.02	19.18	18.43	19.58	19.98	16.97	18.13	17.38	18.53	18.93
	4H	18.82	19.87	19.25	20.28	20.72	17.68	18.73	18.11	19.14	19.58
	6H	19.45	20.37	19.90	20.81	21.26	18.22	19.14	18.68	19.58	20.03
	8H	19.66	20.52	20.12	20.96	21.43	18.39	19.25	18.85	19.69	20.16
	12H	19.81	20.58	20.29	21.05	21.52	18.51	19.28	18.99	19.76	20.22
8H	4H	19.05	19.91	19.51	20.35	20.82	18.02	18.88	18.48	19.32	19.79
	6H	19.80	20.51	20.29	21.00	21.47	18.68	19.39	19.17	19.88	20.35
	8H	20.08	20.72	20.59	21.23	21.71	18.91	19.55	19.42	20.06	20.54
	12H	20.30	20.87	20.81	21.36	21.92	19.09	19.66	19.60	20.15	20.71
12H	4H	19.07	19.84	19.55	20.32	20.79	18.07	18.84	18.55	19.31	19.78
	6H	19.83	20.47	20.34	20.98	21.46	18.74	19.38	19.25	19.89	20.37
	8H	20.17	20.73	20.68	21.22	21.79	19.03	19.60	19.54	20.09	20.65