

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: HALO COMMERCIAL

Report Number: P775769

Luminaire Tested: HCDJBS510CSD-HCD6TRC-1000lm-5000K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P775769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2310613A001)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL510CSD-HCD6TRC-1000lm-5000K
Description: 6 INCH ROUND MEDIUM SPECULAR CLEAR TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT
Ballast/Driver: -

Summary

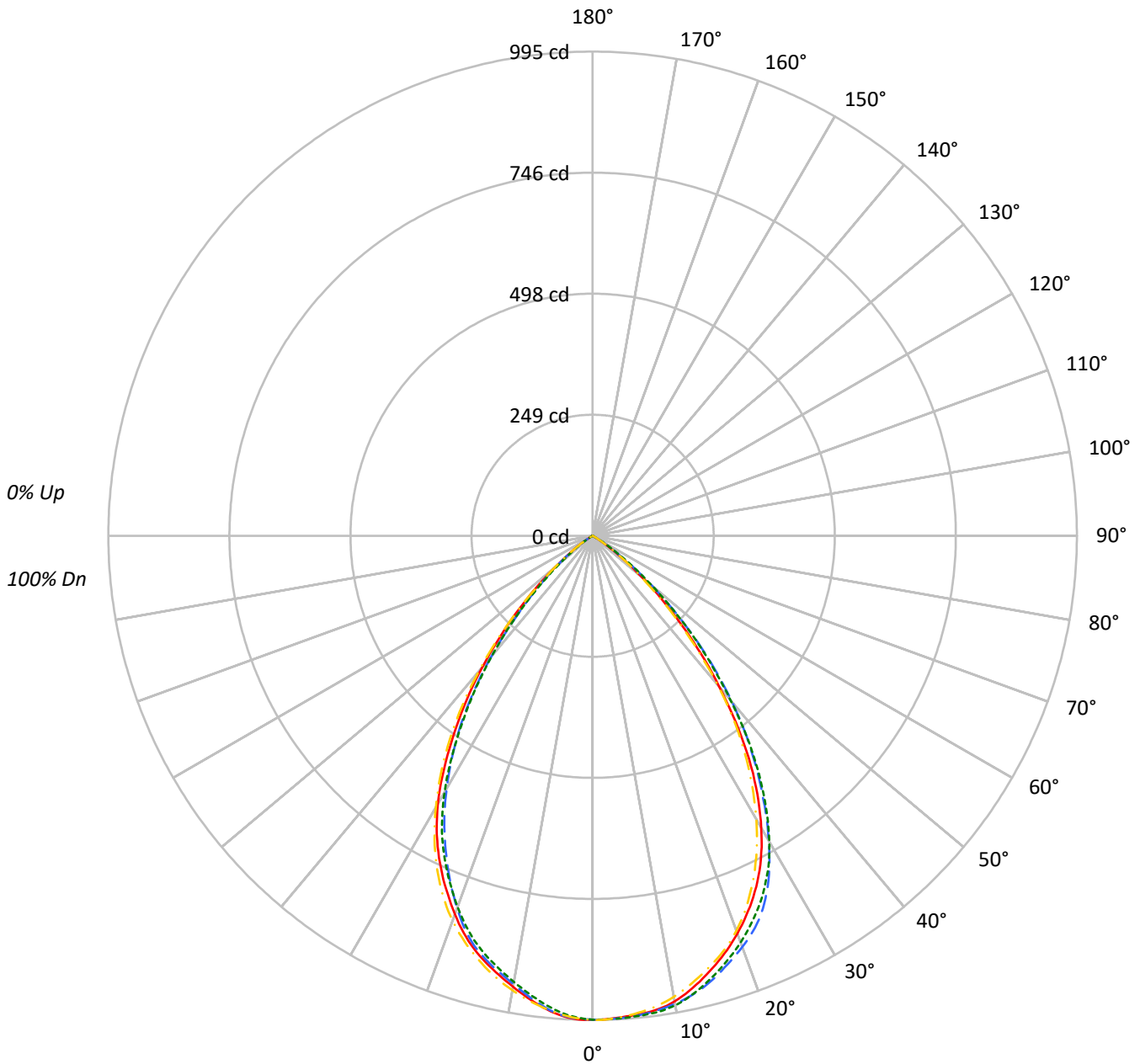
Lumens per Lamp: N/A
Luminaire Lumens: 1257.0 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 10
Input Voltage (V): NR
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				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94				92
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86				84
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79				77
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72				70
5	89	80	73	68	87	79	72	68	77	71	67	75	70	67	73	69	66				64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	68	64	61				59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56				54
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52				50
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48				46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45				43

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	54524	54524	54524	54524
5°	54413	54573	54001	53593
10°	54085	54536	52398	51825
15°	52617	53423	50744	50034
20°	50731	51875	48269	47324
25°	48118	49702	44906	43714
30°	43861	45931	40234	38525
35°	37470	39813	33194	31113
40°	28961	31552	25233	23086
45°	20018	22654	16730	14730
50°	11334	13560	8682	7198
55°	4263	5696	3460	2714
60°	307	987	143	164
65°	39	52	39	26
70°	16	16	16	16
75°	0	21	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 23429 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	7.4
10°-20°	256.3	20.4
20°-30°	352.2	28.0
30°-40°	327.4	26.0
40°-50°	184.9	14.7
50°-60°	42.7	3.4
60°-70°	0.5	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	701.5	55.8
0°-40°	1028.9	81.9
0°-60°	1256.5	100.0
0°-90°	1257.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1257.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	995	995	995	995	995	
5°	989	992	981	974	989	94
15°	927	941	894	882	927	261
25°	796	822	742	723	796	363
35°	560	595	496	465	560	345
45°	258	292	216	190	258	200
55°	45	60	36	28	45	46
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	994.6	994.6	994.6	994.6	994.6	994.6	994.6	994.6	994.6	994.6	994.6
0.5°	994.9	994.4	994.4	994.8	994.3	994.8	995.2	995.5	995.1	994.4	994.0
1°	994.5	994.4	994.4	994.8	994.4	994.9	995.1	995.2	995.0	994.4	993.8
1.5°	993.9	993.9	994.2	994.8	994.2	994.9	994.6	994.8	994.5	993.9	993.1
2°	993.3	993.5	994.0	994.8	994.1	994.8	994.0	994.0	993.9	993.3	992.3
2.5°	992.7	993.2	993.8	994.5	993.9	994.3	993.1	992.9	992.7	992.3	991.2
3°	991.8	992.7	993.2	994.1	993.5	993.8	992.0	991.5	991.1	991.0	989.8
3.5°	991.1	992.2	992.7	993.8	993.2	993.1	990.9	989.8	989.1	989.1	987.9
4°	990.4	991.6	992.2	993.2	992.7	992.5	989.6	987.8	986.9	986.7	985.6
4.5°	989.6	990.9	991.5	992.7	992.3	991.8	988.0	985.5	984.3	984.0	982.8
5°	988.8	990.2	990.8	991.9	991.7	991.1	986.5	983.1	981.3	981.1	979.6
5.5°	988.2	989.4	989.9	991.2	991.2	990.3	984.7	980.3	978.0	977.5	976.1
6°	987.1	988.4	988.8	990.4	990.8	989.5	982.9	977.5	974.7	974.0	972.1
6.5°	986.2	987.2	987.8	989.5	989.9	988.7	981.0	974.5	970.8	970.0	968.2
7°	984.9	986.1	986.5	988.5	989.2	987.7	979.0	971.4	967.0	966.0	963.8
7.5°	983.4	984.6	985.2	987.4	988.3	986.7	976.7	968.2	962.9	961.8	959.3
8°	981.8	982.9	983.7	986.2	987.1	985.5	974.1	964.5	958.8	957.4	954.6
8.5°	979.9	981.0	982.1	984.6	985.6	983.9	971.5	961.0	954.4	952.8	950.0
9°	977.4	978.8	980.4	983.2	983.8	982.2	968.6	957.4	950.2	948.5	945.3
9.5°	974.7	976.3	978.6	981.4	981.8	980.1	965.3	953.9	945.8	944.1	940.8
10°	971.6	973.7	976.6	979.5	979.7	977.5	961.8	950.0	941.3	939.4	936.2
10.5°	968.2	970.7	974.6	977.2	976.9	974.7	958.2	946.0	936.7	934.8	931.4
11°	964.2	967.4	972.1	974.9	973.8	971.4	954.5	941.9	932.1	930.1	926.7
11.5°	960.4	963.8	969.8	972.4	970.5	967.6	950.3	938.1	927.6	925.4	922.1
12°	956.0	960.2	966.9	969.8	966.8	963.6	946.2	933.9	923.2	920.6	917.7
12.5°	951.5	956.2	964.1	966.8	963.0	959.2	941.7	929.6	918.5	915.5	913.2
13°	946.8	952.2	960.8	963.8	959.0	954.8	937.7	925.1	913.9	910.5	908.9
13.5°	942.2	947.8	957.6	960.7	954.7	950.2	933.0	920.5	909.1	905.0	904.2
14°	937.1	943.4	954.0	957.4	950.3	945.3	928.7	915.7	904.3	899.5	899.5
14.5°	932.3	939.2	950.0	953.9	945.8	940.3	923.9	910.5	899.4	893.6	894.5
15°	927.1	934.5	945.8	950.3	941.3	935.2	919.3	905.2	894.1	887.9	889.3
15.5°	922.0	929.8	941.5	946.3	936.6	930.2	914.4	899.9	888.9	881.7	883.9
16°	916.8	925.1	937.0	942.2	931.7	925.2	909.8	893.9	883.4	875.4	878.1
16.5°	911.4	920.3	932.3	937.9	926.9	920.1	904.7	888.0	877.4	869.1	871.6
17°	905.8	915.4	927.7	933.6	921.8	914.8	899.6	882.1	871.1	862.3	864.8
17.5°	900.4	910.5	923.0	928.9	916.5	909.6	894.5	875.7	864.5	855.0	857.5
18°	894.6	905.6	918.4	924.4	911.2	904.2	888.8	869.4	857.9	848.2	849.6
18.5°	888.7	900.7	913.7	919.7	906.0	898.8	883.3	862.6	850.5	840.8	841.1
19°	882.4	895.5	909.0	914.9	900.4	893.5	877.2	856.0	843.2	833.5	832.5
19.5°	876.0	890.2	904.2	909.9	895.0	887.7	870.6	849.1	835.4	825.6	823.6
20°	869.6	884.8	899.2	904.5	889.2	882.0	863.9	841.9	827.4	818.0	814.5
20.5°	862.9	879.0	894.3	899.1	883.1	875.6	856.7	834.3	819.3	810.0	804.9
21°	856.3	873.0	889.0	893.4	877.0	869.1	849.4	827.0	811.2	801.8	795.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	834.8	853.4	871.9	874.6	857.8	848.2	825.2	803.6	786.1	777.0	766.4
23°	827.6	846.2	865.2	867.5	850.7	840.5	816.7	795.4	777.8	768.7	756.1
23.5°	819.8	838.7	858.5	860.3	843.9	832.9	807.8	787.3	769.5	759.4	745.7
24°	811.9	830.9	850.8	852.6	836.8	824.8	798.8	779.2	760.5	750.2	735.2
24.5°	803.7	823.0	842.8	844.2	829.3	816.6	789.8	771.1	751.4	740.8	724.7
25°	795.5	814.7	834.4	835.9	821.7	808.3	780.8	762.2	742.4	731.1	714.2
25.5°	786.9	805.7	825.5	827.1	813.8	799.4	771.8	753.2	732.9	721.3	703.6
26°	777.7	796.7	815.9	817.8	805.1	790.6	760.9	743.7	723.3	711.6	692.9
26.5°	768.4	787.5	806.1	808.2	796.3	781.7	750.6	733.9	713.5	701.2	682.2
27°	758.8	777.7	795.6	798.2	787.6	773.0	740.5	724.0	703.2	690.9	671.4
27.5°	748.8	767.1	784.8	787.9	778.9	763.7	729.5	713.7	693.0	680.1	659.9
28°	738.0	756.5	773.1	777.0	770.0	753.3	718.8	702.9	682.6	668.8	648.5
28.5°	727.6	745.3	761.5	766.0	759.6	743.3	707.5	691.7	671.4	657.0	636.5
29°	716.3	733.6	749.1	754.2	748.7	732.3	696.2	680.4	659.8	645.0	624.7
29.5°	704.6	722.3	736.8	742.4	737.3	721.5	684.4	668.6	647.7	632.9	612.2
30°	692.9	709.7	723.9	730.2	725.6	710.2	672.7	656.6	635.6	620.4	599.6
30.5°	681.0	697.8	711.2	718.2	713.7	698.8	660.6	644.2	622.8	607.6	586.9
31°	668.5	685.3	697.9	705.1	701.6	686.7	648.2	631.4	609.8	594.6	574.4
31.5°	655.5	672.5	684.6	692.3	689.1	674.9	635.7	618.6	596.5	581.3	561.6
32°	642.9	659.3	671.0	678.7	676.3	662.5	623.4	605.6	582.6	568.0	548.9
32.5°	629.9	646.1	657.6	665.3	663.4	650.2	610.5	592.1	568.5	553.9	535.9
33°	616.6	632.7	643.5	651.6	650.1	636.9	597.7	578.5	554.4	539.8	523.1
33.5°	602.8	619.2	630.4	638.1	636.9	623.9	584.6	564.7	540.0	525.7	510.3
34°	589.2	605.1	616.4	624.1	622.8	610.5	571.7	550.6	525.4	511.1	497.2
34.5°	574.7	591.2	602.8	610.5	609.0	596.8	558.4	536.8	510.4	496.9	483.8
35°	559.9	576.4	588.9	596.5	594.9	582.5	545.3	522.5	496.0	482.5	470.0
35.5°	545.0	561.9	575.2	582.6	580.6	568.5	532.0	508.3	481.6	467.9	456.2
36°	530.2	547.3	561.4	568.8	566.1	553.9	518.1	493.9	467.4	453.7	442.2
36.5°	514.7	532.4	547.1	554.7	550.8	539.3	503.7	479.6	453.2	439.2	427.8
37°	499.1	517.9	533.5	540.4	535.6	524.7	489.5	465.4	439.0	424.9	412.9
37.5°	483.1	502.5	519.6	525.9	520.1	509.7	474.8	451.1	424.9	410.6	398.4
38°	467.2	487.4	505.2	511.4	504.6	494.2	460.2	436.5	410.9	395.9	383.6
38.5°	451.2	472.1	490.6	496.3	488.7	478.7	445.3	422.1	396.8	381.6	369.1
39°	435.1	456.9	475.9	481.8	472.9	463.3	429.9	407.6	382.1	367.1	354.3
39.5°	420.0	441.6	461.3	466.8	456.8	447.5	414.9	393.1	367.4	352.7	339.0
40°	404.7	425.7	446.1	452.1	440.9	431.4	399.6	378.4	352.6	338.0	324.5
40.5°	389.8	410.2	431.2	436.8	425.5	415.7	384.1	363.9	337.8	323.7	309.5
41°	375.0	394.7	415.9	421.6	410.0	399.9	368.3	349.4	323.1	309.5	294.8
41.5°	360.2	377.4	400.9	406.1	394.9	384.3	352.5	334.8	308.5	295.2	280.2
42°	345.4	363.6	386.2	390.9	379.8	368.9	336.8	320.1	294.8	281.3	266.0
42.5°	330.6	349.7	371.0	375.6	365.5	353.5	321.7	305.7	281.7	267.6	252.8
43°	315.8	335.8	355.9	360.6	350.9	338.7	306.2	290.3	268.3	253.9	239.2
43.5°	301.1	322.0	340.7	351.1	335.9	323.8	291.0	275.8	255.3	240.7	226.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	258.2	279.0	295.6	302.2	292.2	279.4	248.5	233.3	215.8	202.8	189.9
45.5°	244.3	264.7	280.5	286.0	277.5	265.1	234.7	219.3	203.1	190.3	178.7
46°	231.2	250.6	265.3	271.6	263.4	250.9	221.0	205.8	190.5	178.4	167.5
46.5°	217.8	236.8	250.7	257.5	250.1	237.2	207.9	192.7	178.1	167.0	157.0
47°	204.4	223.4	236.3	243.2	236.2	223.7	194.6	179.6	165.9	155.8	146.6
47.5°	191.3	209.9	222.4	229.1	222.9	211.0	182.0	167.5	154.9	144.9	137.2
48°	179.1	196.7	208.5	215.2	210.0	198.3	169.9	155.1	143.2	134.5	127.6
48.5°	166.7	183.5	194.8	201.7	197.0	186.0	158.2	143.7	132.0	124.6	118.7
49°	155.2	171.2	181.8	188.6	183.9	174.2	146.6	132.5	121.0	115.1	110.0
49.5°	143.7	158.7	168.9	175.3	171.1	162.6	136.1	122.2	110.9	106.0	102.4
50°	132.9	146.4	156.9	163.0	159.0	151.3	125.4	112.2	101.8	98.0	94.8
50.5°	121.9	134.6	145.0	150.7	147.0	140.2	115.7	103.9	92.9	90.0	87.2
51°	111.9	123.1	133.4	138.9	135.7	129.7	106.4	95.7	83.9	82.1	79.7
51.5°	102.0	111.9	122.3	127.3	124.6	119.3	98.2	87.3	75.0	74.1	72.1
52°	92.3	101.5	111.7	116.2	113.9	109.4	90.0	79.0	67.7	67.0	65.4
52.5°	82.9	91.7	101.4	106.1	104.5	100.4	81.8	70.7	61.2	60.5	59.1
53°	74.2	82.5	91.7	96.0	95.2	91.3	73.6	63.9	55.5	54.4	53.0
53.5°	65.9	73.7	82.1	86.2	85.9	82.3	66.5	57.8	50.3	48.7	47.2
54°	58.0	65.7	73.5	77.1	76.6	73.3	59.7	51.9	45.2	43.3	41.5
54.5°	51.0	57.9	64.9	68.8	67.3	65.6	53.5	46.5	40.6	38.4	36.3
55°	44.6	50.9	57.3	60.9	59.6	58.3	47.4	41.4	36.2	33.6	31.1
55.5°	38.6	44.4	50.0	53.4	52.4	51.3	41.6	36.5	31.8	28.9	26.4
56°	33.8	38.1	43.1	46.4	45.8	45.0	36.3	31.8	27.6	24.6	22.0
56.5°	29.1	33.3	36.7	40.2	39.6	39.0	31.0	27.4	23.6	20.6	18.0
57°	24.3	28.5	31.9	35.3	33.8	33.5	26.2	23.1	19.7	17.0	14.8
57.5°	19.6	23.7	27.1	30.4	28.6	28.3	21.8	19.2	16.3	13.4	11.5
58°	14.8	18.9	22.3	25.6	23.7	23.5	17.9	15.8	12.8	9.9	8.2
58.5°	10.6	14.1	17.5	20.7	19.5	19.3	14.6	12.4	9.4	6.3	5.0
59°	6.5	9.9	13.2	15.9	16.0	15.8	11.3	9.0	6.0	2.8	1.7
59.5°	3.5	6.1	9.0	11.5	12.5	12.4	8.1	5.5	2.6	1.5	1.2
60°	2.8	3.2	5.3	7.4	9.0	8.9	4.8	2.1	1.3	1.1	1.0
60.5°	2.1	2.6	2.8	4.2	5.4	5.4	1.5	1.2	1.0	0.9	0.9
61°	1.4	2.0	2.2	3.3	2.0	1.9	1.0	0.9	0.9	0.7	0.7
61.5°	0.7	1.4	1.7	2.5	1.2	1.1	0.7	0.7	0.7	0.6	0.6
62°	0.6	0.9	1.3	1.7	0.9	0.9	0.6	0.6	0.6	0.6	0.5
62.5°	0.5	0.7	0.9	0.9	0.7	0.7	0.5	0.5	0.5	0.5	0.5
63°	0.5	0.6	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.4
63.5°	0.4	0.5	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4
64°	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3
64.5°	0.3	0.4	0.4	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
65.5°	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2
66°	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P775769

CATALOG NUMBER: HCDJBL510CSD-HCD6TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
68°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
68.5°	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
69°	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
69.5°	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
73°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
73.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
74°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
74.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1
75.5°	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P775769
CATALOG NUMBER: HCDJBL510CSD-HCD6TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
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: P775769

CATALOG NUMBER: HCDJBL510CSD-HCD6TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	994.6	994.6	994.6	994.6	994.6	994.6
0.5°	994.0	993.4	993.8	994.6	994.9	994.9
1°	993.3	992.7	992.7	994.0	994.4	994.5
1.5°	992.5	991.5	991.4	993.1	993.5	993.9
2°	991.2	990.0	989.7	991.8	992.7	993.3
2.5°	989.7	988.2	987.8	990.3	991.6	992.7
3°	987.7	986.1	985.5	988.6	990.4	991.8
3.5°	985.4	983.5	983.1	986.6	989.2	991.1
4°	982.8	980.6	980.3	984.7	987.9	990.4
4.5°	979.7	977.4	977.3	982.5	986.5	989.6
5°	976.3	973.9	973.9	980.1	985.0	988.8
5.5°	972.3	970.3	970.5	977.5	983.5	988.2
6°	968.6	966.3	966.9	974.9	981.8	987.1
6.5°	964.3	962.2	963.1	972.1	979.8	986.2
7°	960.2	957.9	959.2	969.2	978.0	984.9
7.5°	955.8	953.8	955.3	965.9	975.6	983.4
8°	951.1	949.2	951.2	962.8	973.5	981.8
8.5°	946.5	944.8	947.0	959.4	970.6	979.9
9°	942.0	940.2	942.7	955.9	967.7	977.4
9.5°	937.4	935.6	938.2	952.2	964.5	974.7
10°	932.8	931.0	934.0	948.5	961.1	971.6
10.5°	928.0	926.5	929.8	944.5	957.5	968.2
11°	923.5	921.9	925.4	940.6	953.5	964.2
11.5°	918.5	917.2	920.8	936.6	949.5	960.4
12°	913.8	912.3	916.2	932.2	945.3	956.0
12.5°	908.8	907.6	911.6	927.7	941.0	951.5
13°	903.7	902.6	906.9	923.2	936.8	946.8
13.5°	898.2	897.6	901.9	918.4	932.3	942.2
14°	892.9	892.2	896.9	913.4	927.8	937.1
14.5°	887.2	887.1	891.7	908.1	923.5	932.3
15°	881.6	881.6	886.3	902.9	918.9	927.1
15.5°	875.5	875.8	880.8	897.2	914.0	922.0
16°	869.3	869.8	874.9	891.9	909.2	916.8
16.5°	862.8	863.6	868.8	886.3	904.2	911.4
17°	856.2	857.0	862.4	880.4	899.1	905.8
17.5°	848.8	850.0	855.5	874.4	893.6	900.4
18°	841.8	842.7	848.5	868.3	887.7	894.6
18.5°	834.0	835.2	841.1	862.2	881.5	888.7
19°	826.1	827.5	833.6	855.5	874.8	882.4
19.5°	818.0	819.4	825.9	848.8	868.0	876.0
20°	809.7	811.2	818.0	841.9	860.8	869.6
20.5°	800.9	802.9	809.8	834.4	853.4	862.9
21°	792.0	794.4	801.5	827.1	845.5	856.3

TEST NUMBER: P775769

CATALOG NUMBER: HCDJBL510CSD-HCD6TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	765.4	768.3	776.2	802.0	820.0	834.8
23°	756.0	759.7	767.8	793.3	810.7	827.6
23.5°	746.0	750.7	758.8	784.3	801.4	819.8
24°	736.1	741.6	750.0	774.8	792.2	811.9
24.5°	726.0	732.0	740.5	765.6	782.6	803.7
25°	715.9	722.7	731.3	755.7	772.7	795.5
25.5°	705.4	712.9	721.4	745.8	762.5	786.9
26°	694.6	702.8	711.8	735.6	752.4	777.7
26.5°	683.6	692.4	701.5	725.4	742.1	768.4
27°	672.4	681.6	690.8	714.7	731.6	758.8
27.5°	660.8	670.4	679.6	703.6	721.1	748.8
28°	649.1	658.9	668.0	691.9	709.6	738.0
28.5°	636.9	646.7	656.3	680.4	698.6	727.6
29°	624.6	634.6	644.1	668.4	686.9	716.3
29.5°	612.0	621.7	631.1	656.7	675.3	704.6
30°	599.2	608.6	618.4	644.1	663.0	692.9
30.5°	586.4	595.0	605.1	631.8	651.1	681.0
31°	573.2	581.5	591.5	618.9	638.7	668.5
31.5°	559.9	567.3	577.0	606.1	626.2	655.5
32°	546.6	552.9	562.8	593.6	613.2	642.9
32.5°	533.2	538.2	548.6	580.3	600.5	629.9
33°	519.3	523.9	534.1	567.3	587.2	616.6
33.5°	505.6	509.1	519.4	553.6	574.4	602.8
34°	491.3	494.6	505.1	540.1	561.2	589.2
34.5°	477.6	479.4	490.4	526.3	547.6	574.7
35°	463.7	464.9	476.0	512.0	533.5	559.9
35.5°	449.5	450.4	461.8	498.1	519.6	545.0
36°	435.4	436.2	447.3	483.8	505.1	530.2
36.5°	420.7	422.3	433.3	469.5	490.6	514.7
37°	406.1	407.9	419.1	454.4	475.4	499.1
37.5°	391.5	393.9	404.8	439.5	460.3	483.1
38°	376.8	378.4	390.4	424.6	445.0	467.2
38.5°	362.2	364.4	375.9	409.1	429.6	451.2
39°	347.2	350.4	361.3	394.4	413.9	435.1
39.5°	332.7	336.5	346.7	377.9	398.2	420.0
40°	318.5	322.6	332.1	363.4	381.6	404.7
40.5°	304.3	308.3	317.5	348.7	366.0	389.8
41°	290.3	294.1	302.9	334.2	350.4	375.0
41.5°	276.3	280.6	288.4	319.6	335.0	360.2
42°	262.4	267.2	274.5	304.7	319.4	345.4
42.5°	248.9	253.9	261.0	290.0	303.9	330.6
43°	235.4	240.7	247.2	275.2	289.2	315.8
43.5°	222.3	228.1	233.8	260.3	274.5	301.1



TEST NUMBER: P775769

CATALOG NUMBER: HCDJBL510CSD-HCD6TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	185.1	190.0	194.1	216.8	232.6	258.2
45.5°	173.7	177.9	181.1	203.3	219.5	244.3
46°	162.3	165.7	168.6	190.2	206.8	231.2
46.5°	151.9	154.4	156.5	177.4	194.5	217.8
47°	141.5	143.1	144.8	165.4	182.4	204.4
47.5°	131.8	132.0	133.4	153.8	170.1	191.3
48°	122.2	121.4	122.4	142.3	158.7	179.1
48.5°	113.0	111.7	112.2	131.7	147.4	166.7
49°	104.5	102.0	102.4	121.5	136.6	155.2
49.5°	96.8	93.2	93.4	112.2	126.0	143.7
50°	89.3	84.4	84.6	103.0	116.0	132.9
50.5°	81.6	76.7	76.7	94.1	106.0	121.9
51°	73.9	69.2	69.3	85.6	96.8	111.9
51.5°	67.1	62.8	62.7	78.3	88.0	102.0
52°	60.6	56.7	56.8	70.9	79.9	92.3
52.5°	54.5	51.3	51.3	64.0	72.0	82.9
53°	48.6	46.0	46.1	57.4	64.6	74.2
53.5°	43.1	41.3	41.3	51.4	57.6	65.9
54°	37.9	36.8	36.6	45.6	51.2	58.0
54.5°	33.1	32.6	32.4	40.2	44.8	51.0
55°	28.3	28.4	28.2	35.5	39.1	44.6
55.5°	23.9	24.2	24.0	30.9	34.3	38.6
56°	19.7	20.1	19.7	26.3	29.6	33.8
56.5°	16.2	16.3	16.0	21.8	24.8	29.1
57°	12.8	12.3	11.9	17.2	20.2	24.3
57.5°	9.3	8.3	7.9	13.1	15.5	19.6
58°	5.9	4.9	4.5	8.7	11.1	14.8
58.5°	2.3	3.9	3.5	5.2	7.1	10.6
59°	1.3	3.1	2.6	2.7	4.1	6.5
59.5°	1.0	2.3	1.7	2.1	3.2	3.5
60°	0.9	1.5	0.7	1.6	2.3	2.8
60.5°	0.7	0.6	0.6	1.2	1.5	2.1
61°	0.6	0.5	0.5	0.6	0.7	1.4
61.5°	0.5	0.5	0.4	0.5	0.6	0.7
62°	0.4	0.4	0.4	0.5	0.5	0.6
62.5°	0.4	0.4	0.3	0.4	0.4	0.5
63°	0.4	0.3	0.3	0.4	0.4	0.5
63.5°	0.3	0.3	0.3	0.3	0.3	0.4
64°	0.3	0.3	0.3	0.3	0.3	0.3
64.5°	0.3	0.2	0.2	0.3	0.3	0.3
65°	0.2	0.2	0.2	0.2	0.2	0.3
65.5°	0.2	0.2	0.2	0.2	0.2	0.2
66°	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P775769

CATALOG NUMBER: HCDJBL510CSD-HCD6TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.2	0.1	0.1	0.1	0.1	0.2
68°	0.1	0.1	0.1	0.1	0.1	0.2
68.5°	0.1	0.1	0.1	0.1	0.1	0.1
69°	0.1	0.1	0.1	0.1	0.1	0.1
69.5°	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.1	0.1	0.1	0.1	0.1	0.1
70.5°	0.1	0.1	0.1	0.1	0.1	0.1
71°	0.1	0.1	0.1	0.1	0.1	0.1
71.5°	0.1	0.1	0.1	0.1	0.1	0.1
72°	0.1	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.1	0.1	0.1	0.1
73°	0.1	0.1	0.0	0.1	0.1	0.1
73.5°	0.1	0.0	0.0	0.0	0.0	0.1
74°	0.1	0.0	0.0	0.0	0.0	0.0
74.5°	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P775769

CATALOG NUMBER: HCDJBL510CSD-HCD6TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0

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Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180° - - 45°-225° - - - - 90°-270° - · - 135°-315°

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21.5°	849.2	866.7	883.6	887.5	870.7	862.4	841.8	819.3	802.9	793.5	785.6
22°	842.1	860.2	877.8	881.1	864.3	855.4	833.8	811.7	794.4	785.3	776.0



44°	286.2	307.7	325.6	334.8	321.0	308.9	276.9	261.6	242.0	228.0	214.2
44.5°	272.0	293.1	310.5	318.5	307.0	294.2	263.0	247.4	229.2	215.2	202.1



66.5°	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
67°	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2



89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	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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21.5°	783.1	785.8	793.3	819.1	837.3	849.2
22°	774.3	777.0	784.8	810.4	828.9	842.1



44°	209.2	215.0	220.2	245.5	260.2	286.2
44.5°	197.1	202.5	207.2	230.8	246.3	272.0

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66.5°	0.2	0.2	0.2	0.2	0.2	0.2
67°	0.2	0.2	0.1	0.2	0.2	0.2

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89°	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0

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(END OF REPORT)