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

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P208857

Luminaire Tested: **LDSQA6A15930D010TE LARL20NF 6LSQA1H 30°**

Issue Date: 3/3/2020

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-41-14
Report Number:	P208857
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29056)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LDSQA6A15930D010TE LARL20NF 6LSQA1H 30°
Description:	PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM, SELF-FLANGED, 20° NARROW FLOOD, 30° Tilt
Light Source:	(1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1299.6 lumens
Efficiency:	N/A
Efficacy:	59.6 lumens/watt
Spacing Criteria (0/90/45):	2.38 / 0.63 / 1.23
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type:	Direct

Input Watts (W):	21.79
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:	25 FT

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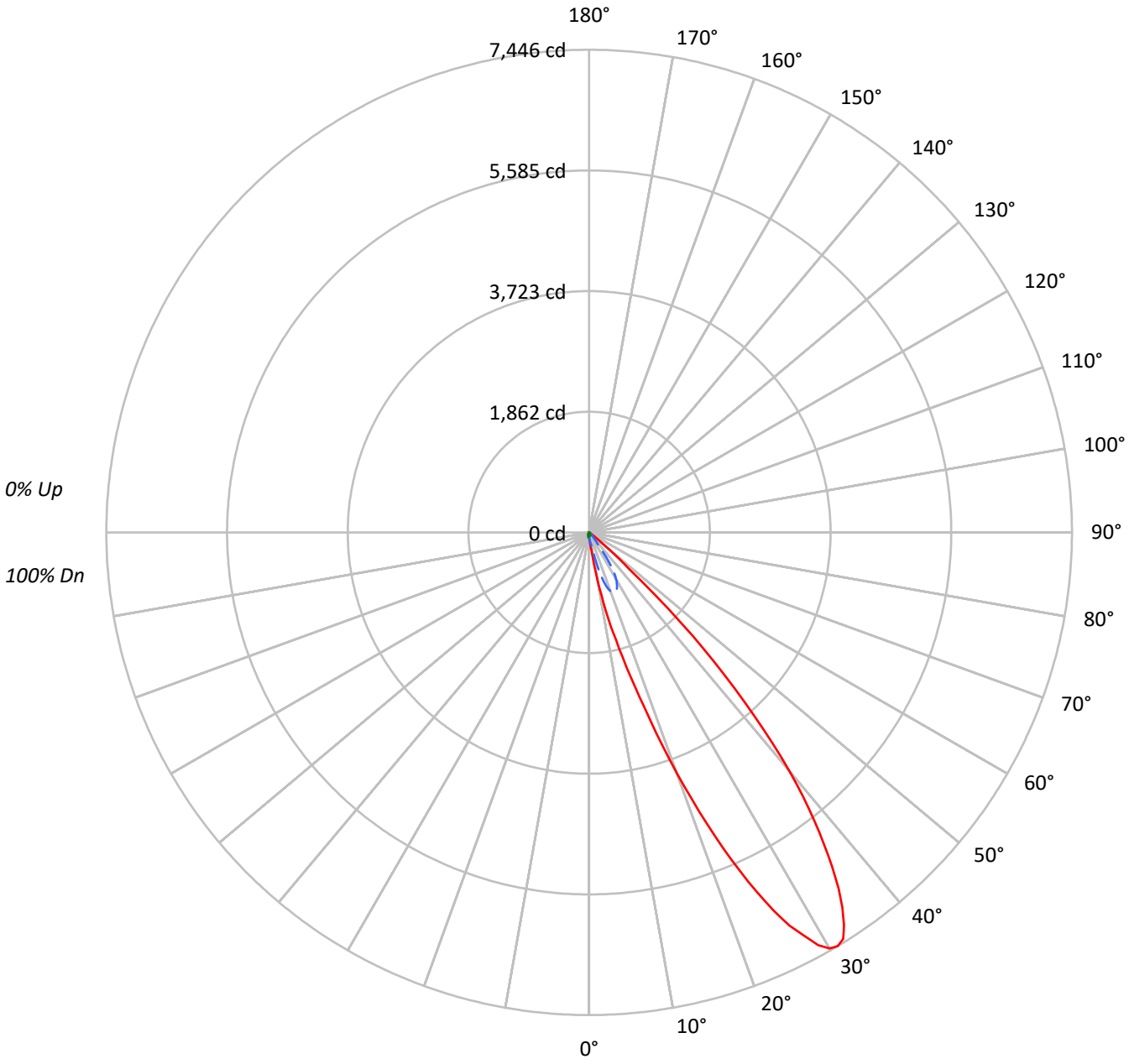
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	79	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	3772	3772	3772
5°	7533	3656	2477
10°	33870	3200	1849
15°	88792	2617	1489
20°	180783	1984	1255
25°	290898	1468	1064
30°	368463	1039	940
35°	352465	678	836
40°	270257	422	781
45°	137453	274	725
50°	21079	201	636
55°	2762	188	450
60°	301	172	301
65°	51	204	255
70°	63	315	315
75°	0	416	250
80°	0	496	248
85°	0	988	247

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	0.9
10°-20°	128.5	9.9
20°-30°	420.7	32.4
30°-40°	512.1	39.4
40°-50°	208.1	16.0
50°-60°	12.4	1.0
60°-70°	2.4	0.2
70°-80°	2.1	0.2
80°-90°	1.5	0.1
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°	560.9	43.2
0°-40°	1073.1	82.6
0°-60°	1293.5	99.5
0°-90°	1299.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1299.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	88	88	88	88	88	
5°	174	133	85	63	57	33
15°	1992	664	59	36	33	648
25°	6123	988	31	21	22	2814
35°	6706	395	13	12	16	4056
45°	2257	45	4	8	12	1732
55°	37	4	2	6	6	64
65°	0	2	2	4	2	1
75°	0	2	2	3	2	0
85°	0	2	2	2	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
2.5°	123.5	118.0	120.5	120.0	118.0	118.5	119.5	117.5	118.5	115.5	116.0
5°	174.3	166.3	170.8	165.8	168.3	165.8	165.8	162.8	160.3	159.8	157.3
7.5°	304.2	284.8	290.8	269.3	272.8	265.9	259.4	252.4	240.5	234.5	221.6
10°	774.7	719.9	732.9	686.1	685.1	668.6	638.3	617.4	573.1	541.7	496.9
11°	979.8	942.5	953.9	902.6	900.2	877.7	841.9	786.1	761.2	719.4	663.7
12°	1247.7	1184.9	1191.9	1135.6	1130.2	1100.3	1060.0	991.3	961.4	910.6	844.9
13°	1491.1	1435.4	1435.9	1374.6	1368.2	1330.3	1286.0	1202.9	1169.5	1112.7	1033.6
14°	1714.7	1672.4	1663.9	1631.0	1596.2	1551.9	1505.1	1411.0	1374.1	1310.4	1219.8
15°	1992.0	1909.3	1892.9	1851.6	1809.3	1753.5	1696.2	1588.7	1547.9	1477.7	1387.6
17.5°	2810.0	2707.9	2663.1	2579.0	2499.3	2392.3	2268.3	2077.6	1983.5	1857.6	1716.7
20°	3945.6	3784.8	3694.7	3559.8	3431.3	3256.1	3042.0	2741.8	2602.4	2358.4	2127.4
21°	4395.2	4256.8	4143.8	3991.9	3840.1	3632.5	3378.1	3060.4	2845.3	2560.1	2289.2
22°	4849.3	4717.8	4585.9	4419.1	4249.3	4006.9	3713.6	3345.2	3086.8	2753.7	2441.6
23°	5296.4	5162.9	5061.4	4832.8	4639.7	4366.3	4041.2	3620.0	3319.8	2937.9	2585.0
24°	5725.5	5579.7	5453.2	5222.7	5004.1	4699.9	4349.9	3886.9	3544.8	3113.7	2717.9
25°	6123.3	5962.5	5807.2	5570.2	5332.7	5000.6	4622.2	4128.4	3750.0	3273.0	2838.9
26°	6489.3	6269.7	6100.9	5881.9	5612.0	5263.5	4861.7	4337.0	3926.7	3405.9	2934.0
27°	6806.4	6584.4	6390.7	6156.2	5855.0	5479.6	5059.4	4486.8	4066.6	3505.5	3000.2
28°	7036.9	6849.2	6626.2	6373.8	6042.7	5628.4	5193.3	4606.3	4150.8	3557.3	3027.6
29°	7281.4	7067.8	6807.9	6521.1	6160.7	5722.0	5267.0	4668.5	4185.6	3569.2	3022.1
30°	7411.3	7214.7	6909.0	6596.3	6211.5	5751.9	5282.9	4678.0	4174.7	3540.4	2986.2
31°	7446.2	7262.5	6923.9	6597.8	6195.5	5722.5	5243.6	4629.2	4115.4	3473.2	2919.5
32°	7395.9	7212.2	6860.7	6534.1	6122.3	5640.4	5157.0	4542.1	4018.8	3372.6	2824.4
33°	7215.2	7066.3	6727.2	6413.1	6010.8	5518.4	5029.5	4400.2	3868.5	3242.1	2709.9
34°	6984.1	6845.2	6532.6	6210.5	5834.1	5351.1	4853.8	4228.4	3695.7	3081.8	2574.0
35°	6705.8	6568.9	6280.7	5960.5	5600.1	5128.6	4628.7	4012.8	3491.6	2900.6	2423.1
36°	6377.7	6235.3	5969.0	5664.3	5336.2	4859.7	4362.4	3764.9	3259.6	2703.4	2261.8
37°	6016.8	5873.4	5635.4	5353.1	5028.5	4557.0	4064.1	3491.6	3014.6	2498.8	2093.1
38°	5635.9	5502.5	5286.4	5004.6	4683.5	4220.5	3738.0	3241.6	2765.2	2291.7	1922.3
39°	5245.1	5104.7	4901.1	4624.2	4308.6	3851.5	3398.0	2954.4	2550.1	2088.1	1765.5
40°	4808.4	4676.0	4440.0	4223.0	3906.3	3471.2	3057.4	2637.2	2311.1	1892.4	1623.1
42.5°	3556.8	3453.2	3327.3	3104.7	2870.7	2558.6	2269.3	1978.0	1741.1	1503.6	1305.9
45°	2257.4	2181.2	2116.5	1978.0	1883.4	1707.7	1558.3	1409.5	1297.5	1173.0	953.4
47.5°	835.4	799.6	776.7	715.9	710.5	654.2	648.7	720.4	762.7	717.9	540.2
50°	314.7	305.7	300.2	281.3	268.4	242.5	223.0	208.6	179.2	158.8	142.4
51°	206.6	200.1	190.7	189.2	183.7	169.3	160.3	157.3	137.4	116.0	99.6
52°	131.4	127.5	121.5	122.0	119.0	110.0	107.0	111.5	101.1	89.1	77.2
53°	82.6	80.7	76.7	76.7	76.2	70.2	69.2	73.2	71.2	65.7	58.7
54°	53.8	53.3	49.8	50.3	50.3	46.8	46.3	47.8	47.3	45.3	41.8
55°	36.8	36.3	35.8	34.4	33.4	32.4	32.4	32.9	32.4	31.4	29.4
57.5°	12.9	12.4	12.9	12.4	12.4	12.9	12.4	13.4	13.9	13.9	12.9
60°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.5	5.0	5.0	5.0

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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	*1.0*	1.0	1.0	1.0	1.0	1.0	0.5	0.5	1.0	1.0	1.0
64°	*0.5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
65°	*0.5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
66°	*0.5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	*0.5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	*0.5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
72.5°	*0.5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
75°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
77.5°	*0.0*	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
80°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
82.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
85°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
87.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
2.5°	114.5	115.0	113.0	112.5	112.0	109.5	108.0	106.5	105.1	102.6	103.6
5°	153.3	153.3	148.9	145.9	144.4	138.9	136.4	132.9	128.9	126.0	124.5
7.5°	214.1	210.6	200.6	193.2	188.7	177.7	171.3	161.8	156.3	150.4	146.9
10°	454.1	430.7	381.9	347.0	314.2	274.3	238.0	209.6	191.2	177.7	169.3
11°	611.9	581.0	518.8	470.5	427.7	370.9	315.2	261.9	223.5	200.1	182.7
12°	785.1	745.3	670.6	610.9	558.6	487.4	416.2	346.0	290.8	246.9	211.1
13°	965.4	914.1	827.5	758.8	698.5	616.4	531.7	447.6	380.4	320.6	266.4
14°	1144.1	1081.4	986.3	907.1	839.4	747.8	651.7	558.1	479.5	404.3	338.1
15°	1306.4	1237.7	1154.1	1050.5	977.3	859.8	769.2	664.2	574.5	487.4	410.2
17.5°	1597.7	1505.1	1406.5	1299.4	1229.7	1113.7	998.7	871.8	763.2	655.2	551.6
20°	1917.8	1752.5	1590.2	1430.9	1329.8	1206.3	1093.8	968.4	853.9	731.4	618.9
21°	2043.8	1854.6	1656.9	1478.2	1363.7	1231.7	1115.2	985.3	864.8	734.4	615.9
22°	2163.3	1937.2	1715.2	1518.0	1393.0	1258.1	1132.7	996.2	867.8	730.9	606.9
23°	2272.3	2016.9	1768.9	1552.9	1414.5	1271.1	1141.6	1000.7	866.3	722.9	593.5
24°	2371.4	2090.1	1814.7	1578.8	1427.4	1275.1	1140.6	997.2	858.8	711.0	575.0
25°	2457.0	2147.8	1848.1	1592.7	1430.9	1273.1	1135.6	988.3	843.9	690.5	553.6
26°	2521.7	2184.7	1864.0	1594.7	1425.9	1266.6	1124.2	971.8	820.5	663.2	524.8
27°	2559.1	2198.1	1864.0	1586.2	1415.9	1254.6	1105.8	946.5	790.1	629.3	488.9
28°	2565.5	2192.1	1850.6	1568.8	1397.0	1233.7	1078.9	914.1	754.3	589.0	449.6
29°	2548.6	2168.2	1821.7	1538.9	1369.1	1206.8	1044.0	873.3	711.5	544.7	408.8
30°	2506.8	2124.4	1778.9	1501.1	1335.8	1171.5	1000.2	828.0	663.2	498.9	362.0
31°	*2441.6*	*2061.2*	*1724.1*	*1455.3*	*1294.5*	*1129.2*	*951.9*	*775.7*	*608.9*	*442.1*	*311.2*
32°	2354.9	1972.6	1663.4	1403.0	1248.7	1080.9	891.7	709.0	537.2	372.9	252.4
33°	2252.9	1885.9	1595.7	1346.7	1198.9	1014.7	808.5	609.4	449.6	295.7	191.2
34°	2136.4	1792.8	1523.0	1287.5	1133.7	917.6	705.0	506.8	353.5	216.1	134.9
35°	2007.4	1693.8	1446.8	1217.8	1030.6	799.1	586.5	394.8	255.9	146.4	101.6
36°	1870.0	1582.7	1359.7	1118.2	907.1	666.2	461.0	284.3	169.8	109.0	87.6
37°	1740.6	1486.1	1269.6	993.3	767.7	527.2	336.6	189.7	124.0	95.1	77.7
38°	1618.6	1393.0	1152.1	854.8	624.3	395.3	221.6	139.9	107.5	83.6	68.7
39°	1504.6	1299.4	1014.7	706.5	480.9	278.8	160.8	120.0	93.6	74.2	60.7
40°	1394.5	1165.5	864.8	576.0	350.5	194.7	135.4	106.0	82.6	65.2	51.3
42.5°	1046.0	748.8	479.0	262.4	164.8	127.0	96.6	74.7	54.8	40.3	30.9
45°	656.7	380.9	205.6	147.4	115.0	86.1	62.7	44.8	32.9	24.4	19.4
47.5°	298.7	163.8	127.5	98.6	74.2	51.3	36.8	26.9	19.9	15.4	11.5
50°	109.5	93.1	75.7	56.3	40.8	29.4	21.4	15.9	11.9	9.0	6.5
51°	85.6	74.7	60.2	42.3	32.4	23.9	17.4	12.9	9.5	7.0	5.0
52°	67.2	59.2	46.3	32.9	25.4	18.9	13.9	10.0	7.0	5.5	4.0
53°	51.8	45.3	34.9	25.4	19.9	14.9	11.0	8.0	5.5	4.0	3.0
54°	38.3	33.4	25.9	19.4	15.4	11.5	8.0	6.0	4.0	3.0	2.5
55°	27.4	24.4	19.4	15.4	11.9	9.0	6.0	4.5	3.0	2.0	2.0
57.5°	11.5	11.0	9.0	7.5	6.0	4.5	3.0	2.0	2.0	1.5	2.0
60°	4.5	4.5	4.0	3.0	2.5	2.0	1.5	1.5	1.5	1.5	1.5

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CATALOG NUMBER: LDSQA6A15930D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0
64°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	2.0
65°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	2.0
66°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	2.0
67.5°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	2.0	2.0
70°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	2.0	2.0
72.5°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.0
75°	0.5	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.0
77.5°	0.5	1.0	1.0	1.0	1.5	1.5	1.5	1.5	2.0	2.0	2.0
80°	0.5	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.0
82.5°	0.5	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.0
85°	0.5	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.0
87.5°	0.5	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

TEST NUMBER: P208857
CATALOG NUMBER: LDSQA6A15930D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
2.5°	102.1	102.1	98.6	97.6	97.1	96.1	93.6	93.6	92.1	90.1	89.1
5°	121.0	120.0	114.5	111.5	109.0	106.0	101.1	99.1	96.1	93.1	90.6
7.5°	139.4	135.9	127.5	123.0	119.5	114.5	108.0	103.6	98.6	93.6	90.1
10°	157.8	150.9	138.9	131.4	125.0	118.0	110.0	105.1	98.6	92.1	87.1
11°	165.3	156.3	142.9	133.4	126.0	118.0	110.0	103.6	97.6	91.1	85.6
12°	179.7	162.8	146.9	136.4	127.0	118.0	109.0	102.1	95.6	89.1	83.6
13°	209.1	177.7	151.4	138.9	128.5	118.0	108.0	100.6	93.6	87.1	81.2
14°	262.4	208.6	163.3	141.4	128.9	118.0	107.0	98.1	91.1	84.1	78.7
15°	322.6	255.9	187.7	150.4	129.4	117.0	105.1	95.6	88.1	81.2	75.7
17.5°	447.6	358.0	265.9	195.2	141.9	114.0	97.6	88.1	79.7	72.7	66.2
20°	498.4	394.3	290.8	209.1	146.9	109.0	89.1	79.2	70.2	63.2	57.8
21°	491.9	387.3	283.3	199.6	137.4	102.1	84.6	75.2	66.7	59.2	54.3
22°	478.5	370.9	265.9	182.2	126.0	95.1	80.7	70.7	62.7	55.8	50.8
23°	460.5	347.5	245.9	163.8	114.0	88.6	76.7	66.7	59.2	52.3	47.8
24°	438.1	324.1	223.0	145.4	102.6	83.6	72.2	62.7	55.3	49.3	44.8
25°	413.2	299.7	198.7	129.9	95.6	78.7	67.2	58.3	51.8	46.3	41.8
26°	382.9	270.8	175.7	115.5	87.1	73.2	62.2	54.3	48.3	43.3	38.8
27°	348.0	241.0	150.4	100.6	80.2	67.7	57.8	50.8	45.3	40.3	35.8
28°	316.6	207.6	128.9	89.6	74.7	62.2	53.8	47.3	42.3	37.3	33.4
29°	277.3	175.7	110.0	81.2	68.7	58.3	49.8	43.8	38.8	33.9	30.4
30°	238.0	145.4	94.1	74.2	62.7	53.3	45.8	40.3	35.3	31.4	28.4
31°	*197.2*	*120.5*	*82.6*	*68.2*	*57.3*	*49.3*	*42.3*	*37.3*	*32.4*	*28.9*	*25.9*
32°	150.9	98.6	73.7	61.7	52.3	44.3	38.8	33.9	29.4	26.4	23.4
33°	113.5	83.1	66.7	55.8	47.3	40.8	35.3	30.4	26.9	23.9	21.4
34°	90.6	74.2	60.2	50.3	42.8	36.8	31.4	27.4	23.9	21.4	18.9
35°	79.7	66.7	53.8	45.3	38.3	32.4	27.9	24.4	21.4	18.9	16.9
36°	70.7	59.7	47.8	40.3	33.4	28.4	24.4	21.4	18.4	16.4	14.9
37°	63.2	52.8	42.3	34.9	28.9	24.9	21.4	18.4	15.9	14.4	13.4
38°	56.8	45.3	35.8	29.9	24.9	21.4	18.4	15.9	13.9	12.4	11.5
39°	48.3	38.3	29.9	25.4	20.9	17.9	15.4	13.9	11.9	11.0	10.0
40°	40.3	31.9	24.9	20.9	17.9	14.9	13.4	11.5	10.5	9.5	8.5
42.5°	24.9	19.9	15.9	13.4	11.5	10.0	9.0	8.0	7.0	6.5	6.0
45°	15.4	12.4	10.0	8.5	7.0	6.5	6.0	5.0	5.0	4.5	4.5
47.5°	9.0	7.5	5.5	5.0	4.0	4.0	3.5	3.5	3.0	3.5	3.0
50°	5.0	3.5	3.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
51°	4.0	3.0	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5
52°	3.0	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
53°	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
54°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0	1.5	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	1.5	1.5	2.0	1.5	2.0	2.0	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

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

Scaled Data Report

TEST NUMBER: P208857
CATALOG NUMBER: LDSQA6A15930D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
64°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
66°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0
72.5°	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.0
75°	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
87.5°	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

TEST NUMBER: P208857
CATALOG NUMBER: LDSQA6A15930D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

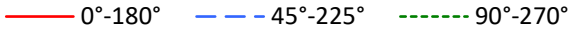
	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
2.5°	88.6	88.6	88.1	87.1	79.7	73.2	69.2	68.7
5°	89.1	88.1	86.1	84.6	71.2	62.7	57.8	57.3
7.5°	87.1	85.1	82.6	79.7	63.2	54.3	49.8	48.8
10°	83.6	80.2	77.2	73.2	55.8	47.3	43.3	42.3
11°	81.2	77.7	74.7	70.7	52.8	44.8	40.8	40.3
12°	79.2	75.2	71.2	67.7	49.8	42.3	38.8	38.3
13°	76.2	72.2	68.7	64.7	47.3	40.3	36.8	36.3
14°	73.7	69.2	65.7	62.2	44.8	37.8	35.3	34.9
15°	70.7	66.2	62.2	58.7	42.3	35.8	33.9	33.4
17.5°	62.7	57.8	54.3	50.8	36.3	31.4	29.9	30.4
20°	53.3	49.3	46.3	43.3	30.9	27.4	26.9	27.4
21°	49.8	46.3	43.8	40.8	28.9	25.9	25.9	26.4
22°	46.8	43.3	40.8	37.8	27.4	24.4	24.4	25.4
23°	43.8	40.3	37.8	35.3	25.4	23.4	23.4	24.4
24°	40.8	37.8	35.3	32.9	23.9	21.9	22.4	23.4
25°	37.8	35.3	32.9	30.9	22.4	20.9	21.4	22.4
26°	35.8	32.9	30.9	28.4	20.9	19.9	20.4	21.9
27°	32.9	30.4	28.4	26.4	19.9	18.9	19.9	20.9
28°	30.9	28.4	26.4	24.4	18.4	17.9	18.9	20.4
29°	28.4	26.4	24.4	22.9	17.4	16.9	18.4	19.4
30°	25.9	23.9	22.4	20.9	16.4	15.9	17.4	18.9
31°	*23.9*	*22.4*	*20.9*	*19.4*	*15.4*	*15.4*	*16.9*	*18.4*
32°	21.9	20.4	18.9	17.4	14.4	14.4	16.4	17.4
33°	19.9	18.4	16.9	15.9	13.4	13.9	15.4	16.9
34°	17.4	16.4	15.4	14.4	12.4	12.9	14.9	16.4
35°	15.9	14.9	13.9	12.9	11.9	12.4	14.4	15.9
36°	13.9	13.4	12.4	11.9	11.0	11.9	13.9	15.4
37°	12.4	11.9	11.0	10.5	10.5	11.5	13.4	14.9
38°	11.0	10.5	10.0	9.5	10.0	11.0	12.9	14.4
39°	9.5	9.0	9.0	8.5	9.5	10.5	12.4	13.9
40°	8.5	8.0	8.0	7.5	9.0	10.0	11.9	13.9
42.5°	6.0	6.0	6.0	6.0	7.5	9.0	11.0	12.9
45°	4.5	4.5	4.5	4.5	6.5	8.0	9.5	11.9
47.5°	3.5	3.5	3.5	3.5	6.0	7.5	9.0	10.5
50°	2.5	2.5	3.0	3.0	5.5	6.5	8.0	9.5
51°	2.5	2.5	2.5	3.0	5.0	6.5	7.5	9.0
52°	2.5	2.5	2.5	2.5	5.0	6.0	7.0	8.0
53°	2.0	2.5	2.5	2.5	4.5	6.0	6.5	7.5
54°	2.0	2.0	2.0	2.5	4.5	5.5	6.0	7.0
55°	2.0	2.0	2.0	2.5	4.0	5.5	6.0	6.0
57.5°	2.0	2.0	2.0	2.0	4.0	5.0	5.5	5.0
60°	2.0	2.0	2.0	2.0	3.5	4.5	5.0	3.5

TEST NUMBER: P208857
CATALOG NUMBER: LDSQA6A15930D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.0	2.0	2.0	2.0	3.5	4.0	4.0	3.0
64°	2.0	2.0	2.0	2.0	3.5	4.0	4.0	3.0
65°	2.0	2.0	2.0	2.0	3.5	3.5	3.5	2.5
66°	2.0	2.0	2.0	2.0	3.5	3.5	3.5	2.5
67.5°	2.0	2.0	2.0	2.0	3.5	3.5	3.0	2.5
70°	2.0	2.0	2.0	2.5	3.0	3.0	3.0	2.5
72.5°	2.0	2.0	2.0	2.5	3.0	3.0	2.5	2.0
75°	2.5	2.5	2.5	2.5	3.0	3.0	2.5	1.5
77.5°	2.5	2.5	2.5	2.5	3.0	2.5	2.0	1.5
80°	2.5	2.5	2.0	2.0	2.5	2.5	1.5	1.0
82.5°	2.5	2.5	2.0	2.0	2.5	2.0	1.5	1.0
85°	2.5	2.5	2.0	2.0	2.5	2.0	1.0	0.5
87.5°	2.5	2.0	2.0	2.0	2.5	2.0	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Report Generated By E9808895 / USPTCWHP6082093


0°-180°
45°-225°
90°-270°

61°	*1.5*	1.5	1.5	1.5	2.0	1.5	2.0	2.5	3.0	3.0	3.0
62°	*1.0*	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0

61°	3.0	3.0	2.5	2.5	2.0	1.5	1.5	1.5	1.5	1.5	1.5
62°	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0

61°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
62°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

61°	2.0	2.0	2.0	2.0	3.5	4.5	4.5	3.5
62°	2.0	2.0	2.0	2.0	3.5	4.0	4.5	3.0

(END OF REPORT)