

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P843872

Luminaire Tested: **LD6C08DE010B2750 EU6C08B30 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209348)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08DE010B2750 EU6C08B30 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

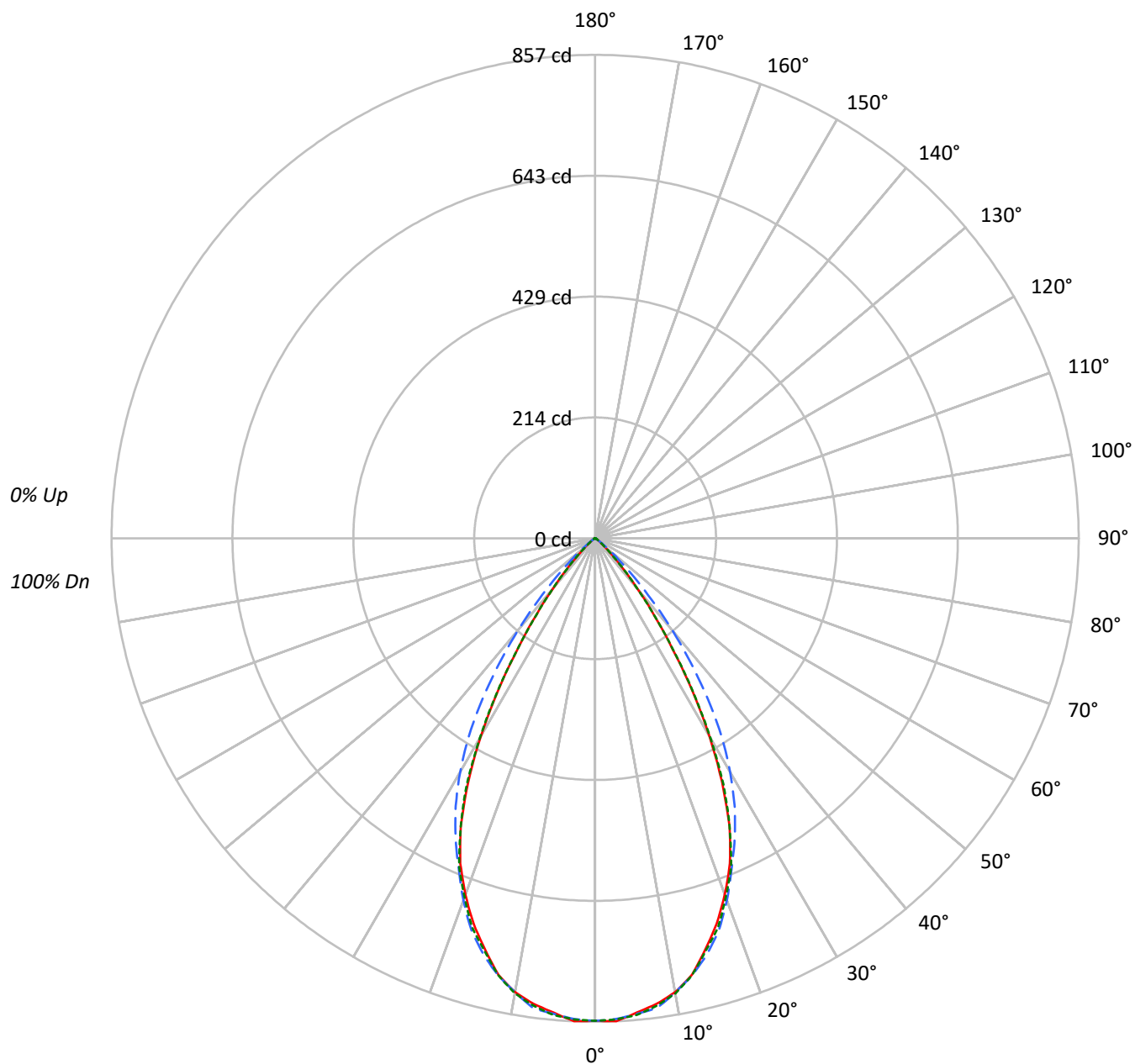
Lumens per Lamp: N/A
Luminaire Lumens: 803.7 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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: 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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	82	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	67	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	64	59	55	64	58	55		63	58	54		62
10	71	61	55	52	70	61	55	51	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36830	36830	36830
5°	36482	36573	36664
10°	35724	35724	35815
15°	33631	34064	33756
20°	30795	31290	31019
25°	26756	27806	26784
30°	20125	23794	20314
35°	12494	18328	12552
40°	6576	11938	6542
45°	2722	5967	2789
50°	1052	2237	1052
55°	563	691	525
60°	370	327	370
65°	214	214	214
70°	138	201	138
75°	83	83	83
80°	124	124	124
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	10.0
10°-20°	213.0	26.5
20°-30°	261.4	32.5
30°-40°	180.5	22.5
40°-50°	56.4	7.0
50°-60°	8.8	1.1
60°-70°	2.5	0.3
70°-80°	0.8	0.1
80°-90°	0.2	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°	554.5	69.0
0°-40°	735.0	91.4
0°-60°	800.2	99.6
0°-90°	803.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	855	855	855	855	855	
5°	844	847	846	846	848	80
15°	754	765	764	763	757	211
25°	563	578	585	582	564	252
35°	238	281	349	284	239	152
45°	45	61	98	61	46	40
55°	8	8	9	8	7	7
65°	2	3	2	3	2	2
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	855.4	855.4	855.4	855.4	855.4	855.4	855.4	855.4	855.4	855.4	855.4
2.5°	857.0	845.2	852.7	851.1	855.4	858.1	855.4	860.2	857.0	853.2	854.3
5°	844.1	845.7	845.2	846.2	847.3	847.3	852.7	853.2	854.3	846.2	848.3
7.5°	832.7	832.7	835.4	834.4	838.1	837.0	837.5	841.9	842.4	840.3	838.7
10°	817.1	814.9	812.3	812.3	817.1	817.7	822.0	822.5	825.7	817.1	818.2
12.5°	792.8	791.7	787.4	789.6	793.4	791.2	798.2	798.7	797.7	794.0	796.1
15°	754.5	758.9	757.8	757.3	765.8	764.8	764.2	765.8	766.4	764.2	762.7
17.5°	716.3	720.0	720.6	721.7	723.3	724.9	727.1	733.0	730.8	729.2	734.6
20°	672.1	670.4	674.8	679.1	680.7	680.7	684.0	688.3	685.0	682.9	683.4
22.5°	624.1	626.9	624.6	629.0	631.2	633.8	637.0	640.8	638.2	632.3	639.2
25°	563.2	564.9	571.9	571.3	574.5	581.1	585.8	585.8	585.8	585.3	585.3
27.5°	486.7	485.7	494.2	500.2	508.2	518.6	524.9	535.2	536.9	535.2	531.5
30°	404.8	403.7	414.5	422.0	436.6	441.5	459.2	469.0	479.1	478.6	475.9
32.5°	319.6	321.7	330.4	341.2	353.0	368.2	384.9	406.3	415.5	417.8	412.9
35°	237.7	240.9	249.0	258.2	272.8	289.5	312.6	333.0	348.7	348.7	344.9
37.5°	171.4	172.5	180.0	185.9	201.1	216.1	236.1	264.1	273.8	277.5	273.8
40°	117.0	117.0	121.3	127.8	140.1	153.0	171.4	192.4	206.5	212.4	205.9
42.5°	74.4	75.5	78.7	83.0	92.2	103.4	117.5	133.2	143.4	147.6	141.7
45°	44.7	45.8	48.5	51.7	57.6	64.7	74.4	85.7	94.3	98.0	95.4
47.5°	27.0	28.0	29.1	31.3	35.5	40.4	45.3	51.7	57.1	57.6	56.6
50°	15.7	15.7	16.7	18.3	20.5	23.2	25.9	29.6	31.3	33.4	31.3
52.5°	10.3	10.3	10.3	10.8	11.8	12.9	14.1	16.2	17.2	17.2	16.7
55°	7.5	7.5	7.5	7.5	8.0	8.0	8.0	8.7	9.2	9.2	9.2
57.5°	5.4	5.4	5.4	5.9	5.9	5.9	5.4	5.4	5.4	5.4	5.4
60°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.8	3.8
62.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
65°	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.1	2.1	2.1	2.1
67.5°	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	1.6	1.6	1.6
70°	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	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
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	855.4	855.4	855.4	855.4	855.4	855.4	855.4	855.4
2.5°	857.5	854.8	854.8	854.8	853.7	854.8	856.5	853.7
5°	848.3	849.4	844.6	848.3	849.9	847.3	853.7	848.3
7.5°	840.3	838.7	831.1	836.5	839.8	840.8	840.3	836.0
10°	824.1	820.3	817.1	817.1	816.0	815.4	821.4	819.2
12.5°	795.0	797.7	792.8	795.6	793.4	794.0	794.5	793.4
15°	770.2	767.5	761.1	765.3	762.7	760.0	765.3	757.3
17.5°	731.4	730.8	727.1	724.4	725.4	724.9	727.7	723.8
20°	685.6	686.6	684.5	683.4	681.9	678.0	681.3	677.0
22.5°	636.0	637.0	639.2	634.9	635.4	630.0	634.9	630.0
25°	585.8	585.3	582.7	580.5	574.5	568.6	567.5	563.8
27.5°	530.9	527.1	520.7	513.7	504.5	496.5	495.8	493.2
30°	470.5	462.4	450.6	439.2	425.3	412.9	412.9	408.6
32.5°	407.0	388.6	372.4	358.4	340.1	333.0	326.1	322.4
35°	330.9	314.8	295.3	272.2	263.6	246.3	247.4	238.8
37.5°	259.2	239.3	220.9	202.1	187.0	179.0	174.6	170.3
40°	192.4	173.0	153.0	140.7	127.2	120.1	117.5	116.4
42.5°	131.5	115.3	102.4	92.2	85.1	77.6	75.5	74.4
45°	85.7	76.6	64.7	56.6	51.7	47.5	47.5	45.8
47.5°	51.2	45.3	39.3	34.0	30.8	28.0	27.0	26.4
50°	28.6	25.4	22.1	19.9	17.8	16.2	15.7	15.7
52.5°	15.7	14.1	12.9	11.3	10.3	10.3	10.3	9.7
55°	8.0	8.0	8.0	8.0	7.5	7.5	7.5	7.0
57.5°	5.4	5.4	5.9	5.9	5.9	5.4	5.4	5.4
60°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
62.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
65°	2.1	2.6	2.6	2.6	2.6	2.1	2.1	2.1
67.5°	1.6	2.1	2.1	2.1	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
85°	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - 90°-270°









(END OF REPORT)