

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: P844382

Luminaire Tested: **LD6C35DE010B2750 EU6C35B30 6LBSQLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844382
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: LD6C35DE010B2750 EU6C35B30 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

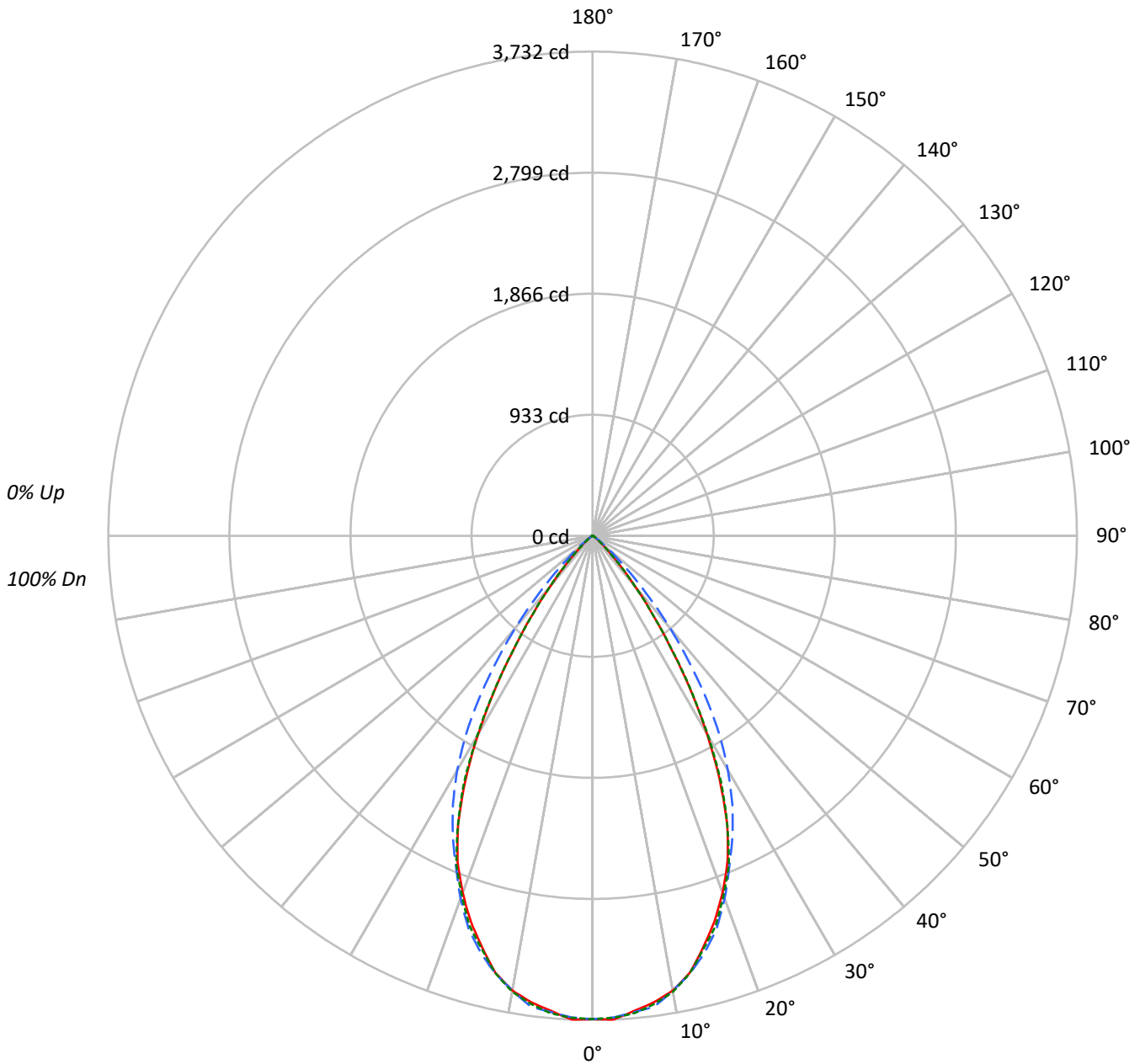
Lumens per Lamp: N/A
Luminaire Lumens: 3500.7 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41.7
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									
RC	80									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																			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	67	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56																			
9	75	65	59	55	74	64	59	55	64	58	55	63	58	54	62	57	54	53																			
10	71	61	55	52	70	61	55	51	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	160395	160395	160395
5°	158882	159283	159690
10°	155582	155582	155997
15°	146490	148371	147007
20°	134116	136275	135092
25°	116539	121104	116648
30°	87645	103634	88465
35°	54411	79830	54658
40°	28637	51984	28502
45°	11861	26012	12148
50°	4562	9746	4562
55°	2470	2995	2297
60°	1619	1412	1619
65°	947	947	947
70°	592	881	592
75°	383	383	383
80°	570	570	570
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.8	10.0
10°-20°	927.7	26.5
20°-30°	1138.6	32.5
30°-40°	786.0	22.5
40°-50°	245.8	7.0
50°-60°	38.4	1.1
60°-70°	11.1	0.3
70°-80°	3.6	0.1
80°-90°	0.8	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°	2415.1	69.0
0°-40°	3201.1	91.4
0°-60°	3485.3	99.6
0°-90°	3500.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3500.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3725	3725	3725	3725	3725	
5°	3676	3690	3685	3687	3695	348
15°	3286	3333	3329	3324	3298	919
25°	2453	2516	2549	2533	2455	1099
35°	1035	1224	1519	1236	1040	661
45°	195	266	427	264	200	175
55°	33	35	40	35	31	32
65°	9	12	9	12	9	10
75°	2	2	2	2	2	3
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°	3725.3	3725.3	3725.3	3725.3	3725.3	3725.3	3725.3	3725.3	3725.3	3725.3	3725.3
2.5°	3732.4	3680.8	3713.7	3706.5	3725.3	3737.0	3725.3	3746.4	3732.4	3716.0	3720.6
5°	3676.1	3683.1	3680.8	3685.4	3690.1	3690.1	3713.7	3716.0	3720.6	3685.4	3694.8
7.5°	3626.7	3626.7	3638.6	3633.7	3650.2	3645.6	3647.9	3666.6	3668.9	3659.6	3652.5
10°	3558.6	3549.2	3537.6	3537.6	3558.6	3560.9	3579.8	3582.1	3596.2	3558.6	3563.4
12.5°	3453.1	3448.3	3429.6	3438.9	3455.4	3445.9	3476.4	3478.8	3474.1	3457.7	3467.1
15°	3286.4	3305.2	3300.3	3298.0	3335.6	3330.9	3328.6	3335.6	3337.9	3328.6	3321.6
17.5°	3119.7	3136.1	3138.4	3143.1	3150.2	3157.2	3166.7	3192.5	3183.1	3176.0	3199.6
20°	2927.1	2920.1	2939.0	2957.7	2964.7	2964.7	2978.8	2997.5	2983.6	2974.2	2976.5
22.5°	2718.3	2730.0	2720.7	2739.4	2748.9	2760.5	2774.6	2791.1	2779.2	2753.5	2784.1
25°	2453.1	2460.1	2490.6	2488.3	2502.4	2530.5	2551.5	2551.5	2551.5	2549.2	2549.2
27.5°	2119.7	2115.1	2152.6	2178.3	2213.5	2258.3	2286.3	2330.9	2338.0	2330.9	2314.5
30°	1762.9	1758.2	1805.1	1838.0	1901.4	1922.6	2000.0	2042.3	2086.8	2084.5	2072.9
32.5°	1392.0	1401.5	1439.0	1486.0	1537.5	1603.3	1676.0	1769.8	1809.9	1819.2	1798.1
35°	1035.2	1049.3	1084.5	1124.4	1187.8	1260.6	1361.4	1450.8	1518.8	1518.8	1502.3
37.5°	746.5	751.1	784.0	809.9	875.5	941.3	1028.2	1150.3	1192.5	1208.9	1192.5
40°	509.5	509.5	528.2	556.3	610.3	666.6	746.5	838.0	899.0	924.9	896.7
42.5°	324.0	328.7	342.7	361.5	401.5	450.7	511.8	579.9	624.4	643.1	617.4
45°	194.8	199.5	211.3	225.4	251.2	281.8	324.0	373.2	410.8	427.2	415.4
47.5°	117.4	122.1	126.7	136.2	154.9	176.1	197.1	225.4	248.9	251.2	246.5
50°	68.1	68.1	72.8	79.7	89.2	101.0	112.6	129.0	136.2	145.5	136.2
52.5°	44.5	44.5	44.5	47.0	51.6	56.4	61.1	70.4	75.1	75.1	72.8
55°	32.9	32.9	32.9	32.9	35.2	35.2	35.2	37.5	39.9	39.9	39.9
57.5°	23.5	23.5	23.5	25.9	25.9	25.9	23.5	23.5	23.5	23.5	23.5
60°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	16.4	16.4	16.4
62.5°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
65°	9.3	9.3	9.3	11.7	11.7	11.7	11.7	9.3	9.3	9.3	9.3
67.5°	7.0	7.0	7.0	9.3	9.3	9.3	9.3	9.3	7.0	7.0	7.0
70°	4.7	4.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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°	3725.3	3725.3	3725.3	3725.3	3725.3	3725.3	3725.3	3725.3
2.5°	3734.7	3723.0	3723.0	3723.0	3718.3	3723.0	3730.1	3718.3
5°	3694.8	3699.5	3678.4	3694.8	3701.8	3690.1	3718.3	3694.8
7.5°	3659.6	3652.5	3619.6	3643.2	3657.2	3662.0	3659.6	3640.9
10°	3589.2	3572.8	3558.6	3558.6	3554.0	3551.5	3577.4	3568.1
12.5°	3462.5	3474.1	3453.1	3464.8	3455.4	3457.7	3460.0	3455.4
15°	3354.4	3342.8	3314.5	3333.2	3321.6	3309.9	3333.2	3298.0
17.5°	3185.4	3183.1	3166.7	3154.9	3159.7	3157.2	3169.0	3152.6
20°	2985.9	2990.6	2981.2	2976.5	2969.5	2953.0	2967.2	2948.4
22.5°	2769.8	2774.6	2784.1	2765.2	2767.5	2744.1	2765.2	2744.1
25°	2551.5	2549.2	2537.6	2528.2	2502.4	2476.4	2471.8	2455.4
27.5°	2312.2	2295.8	2267.6	2237.1	2197.1	2161.9	2159.6	2147.9
30°	2049.3	2014.1	1962.4	1913.0	1852.1	1798.1	1798.1	1779.4
32.5°	1772.4	1692.4	1622.0	1561.1	1481.2	1450.8	1420.2	1403.8
35°	1441.3	1370.9	1286.3	1185.5	1148.0	1072.8	1077.5	1039.9
37.5°	1129.0	1042.3	962.4	880.4	814.6	779.4	760.5	741.8
40°	838.0	753.5	666.6	612.6	554.0	523.4	511.8	507.1
42.5°	572.7	502.3	446.0	401.5	370.9	338.0	328.7	324.0
45°	373.2	333.4	281.8	246.5	225.4	206.7	206.7	199.5
47.5°	223.1	197.1	171.4	147.9	133.9	122.1	117.4	115.0
50°	124.4	110.3	96.4	86.8	77.4	70.4	68.1	68.1
52.5°	68.1	61.1	56.4	49.3	44.5	44.5	44.5	42.2
55°	35.2	35.2	35.2	35.2	32.9	32.9	32.9	30.6
57.5°	23.5	23.5	25.9	25.9	25.9	23.5	23.5	23.5
60°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
62.5°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
65°	9.3	11.7	11.7	11.7	11.7	9.3	9.3	9.3
67.5°	7.0	9.3	9.3	9.3	7.0	7.0	7.0	7.0
70°	7.0	7.0	7.0	7.0	7.0	4.7	4.7	4.7
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3	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)