

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: P844422

Luminaire Tested: **LD6C35DE010B50 EU6C35B50 6LBCSMW**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844422  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204757)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C35DE010B50 EU6C35B50 6LBSCSMW  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

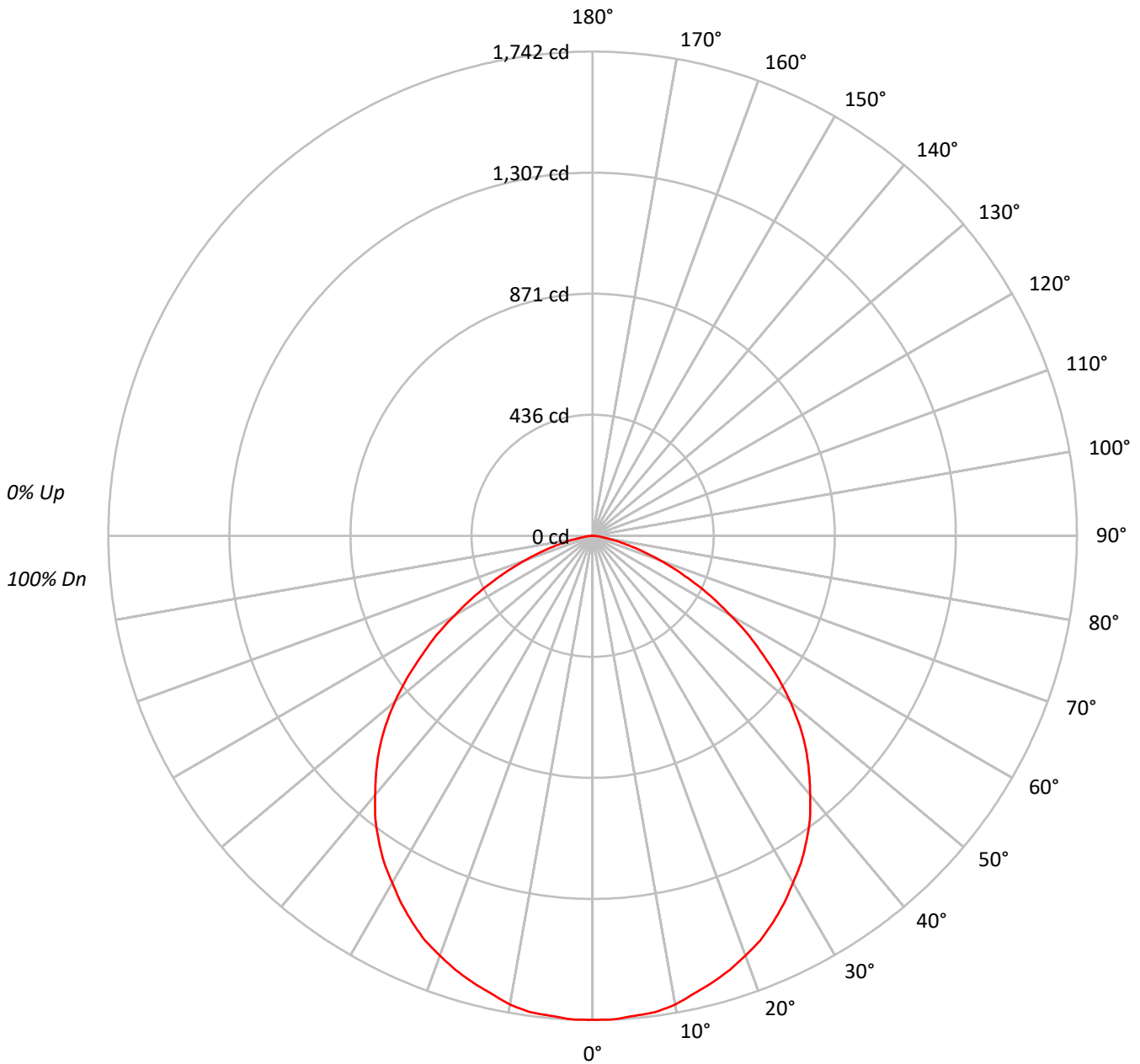
Lumens per Lamp: N/A  
Luminaire Lumens: 4263.4 lumens  
Efficiency: N/A  
Efficacy: 102.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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				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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	95469
5°	95394
10°	95344
15°	94439
20°	93756
25°	92824
30°	91242
35°	89751
40°	87092
45°	84133
50°	79119
55°	71615
60°	62857
65°	52924
70°	41433
75°	29039
80°	16258
85°	11322



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.0	3.9
10°-20°	469.7	11.0
20°-30°	706.5	16.6
30°-40°	837.4	19.6
40°-50°	833.3	19.5
50°-60°	671.7	15.8
60°-70°	406.3	9.5
70°-80°	151.0	3.5
80°-90°	22.4	0.5
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°	1341.2	31.5
0°-40°	2178.7	51.1
0°-60°	3683.7	86.4
0°-90°	4263.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4263.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1742	
5°	1734	165
15°	1664	470
25°	1535	707
35°	1341	837
45°	1085	833
55°	749	672
65°	408	406
75°	137	151
85°	18	22
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1741.5
2.5°	1741.5
5°	1733.5
7.5°	1728.5
10°	1712.8
12.5°	1686.9
15°	1664.0
17.5°	1638.1
20°	1607.1
22.5°	1575.8
25°	1534.6
27.5°	1490.6
30°	1441.4
32.5°	1395.2
35°	1341.1
37.5°	1284.2
40°	1217.0
42.5°	1152.1
45°	1085.2
47.5°	1010.0
50°	927.7
52.5°	842.1
55°	749.3
57.5°	666.5
60°	573.3
62.5°	491.0
65°	408.0
67.5°	330.6
70°	258.5
72.5°	194.0
75°	137.1
77.5°	87.8
80°	51.5
82.5°	30.9
85°	18.0
87.5°	7.6
90°	0.0



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— 0°-180°







(END OF REPORT)