

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: P844421

Luminaire Tested: **LD6C35DE010B2750 EU6C35B50 6LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844421
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: LD6C35DE010B2750 EU6C35B50 6LBCSMMS
Description:
Light Source: -
Ballast/Driver:

Summary

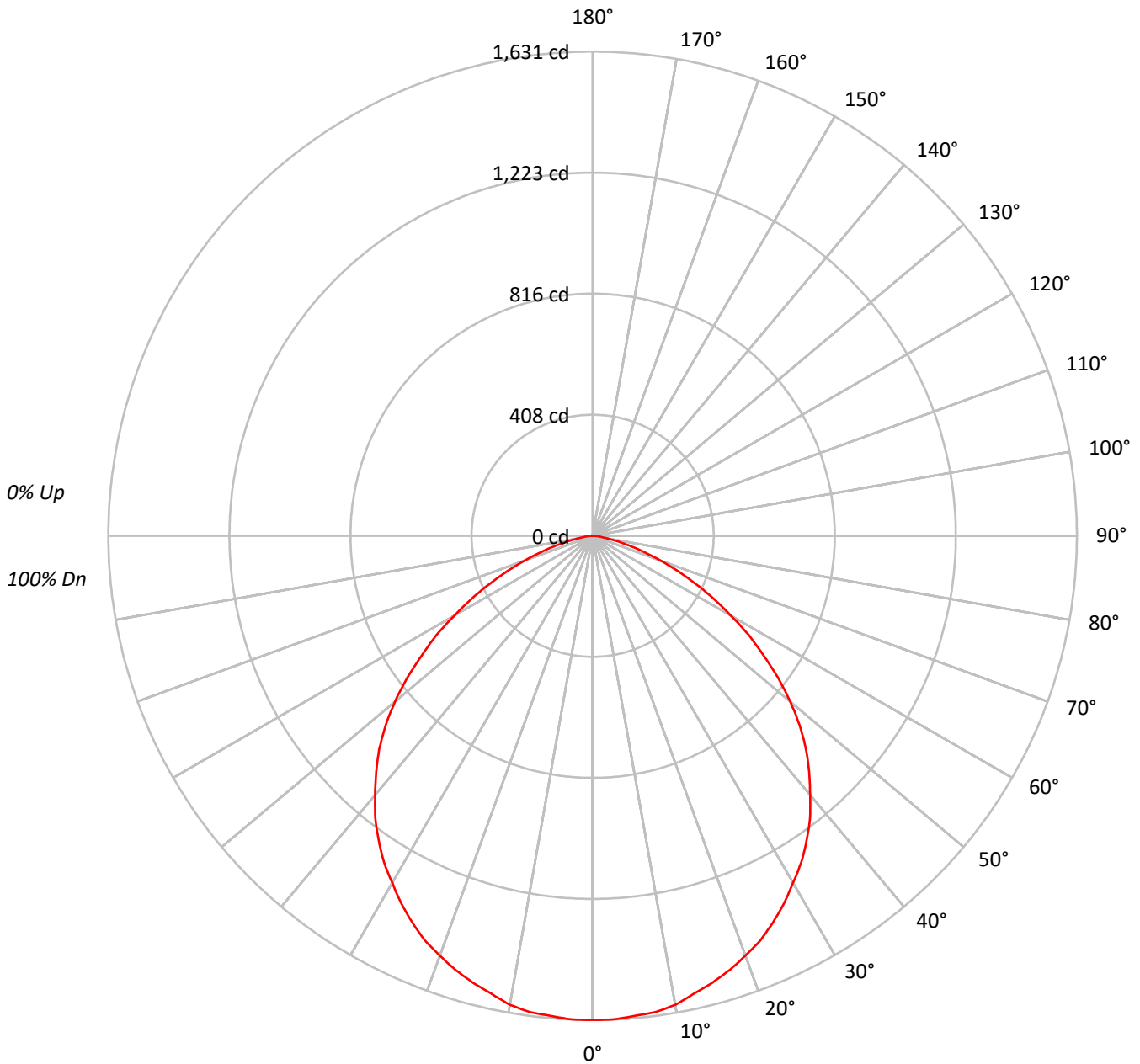
Lumens per Lamp: N/A
Luminaire Lumens: 3992.6 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				
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			
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87			
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74			
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63			
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55			
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48			
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42			
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33			
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30			
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89406
5°	89335
10°	89294
15°	88440
20°	87799
25°	86926
30°	85450
35°	84042
40°	81560
45°	78799
50°	74087
55°	67066
60°	58877
65°	49564
70°	38789
75°	27175
80°	15217
85°	10567



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	3.9
10°-20°	439.9	11.0
20°-30°	661.7	16.6
30°-40°	784.2	19.6
40°-50°	780.4	19.5
50°-60°	629.1	15.8
60°-70°	380.5	9.5
70°-80°	141.3	3.5
80°-90°	21.0	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°	1256.0	31.5
0°-40°	2040.3	51.1
0°-60°	3449.7	86.4
0°-90°	3992.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3992.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1631	
5°	1623	155
15°	1558	440
25°	1437	662
35°	1256	784
45°	1016	780
55°	702	629
65°	382	381
75°	128	141
85°	17	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1630.9
2.5°	1630.9
5°	1623.4
7.5°	1618.7
10°	1604.1
12.5°	1579.8
15°	1558.3
17.5°	1534.0
20°	1505.0
22.5°	1475.7
25°	1437.1
27.5°	1396.0
30°	1349.9
32.5°	1306.6
35°	1255.8
37.5°	1202.6
40°	1139.7
42.5°	1078.9
45°	1016.4
47.5°	945.9
50°	868.7
52.5°	788.7
55°	701.7
57.5°	624.2
60°	537.0
62.5°	459.8
65°	382.1
67.5°	309.6
70°	242.0
72.5°	181.6
75°	128.3
77.5°	82.2
80°	48.2
82.5°	29.0
85°	16.8
87.5°	7.2
90°	0.0



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— 0°-180°







(END OF REPORT)