

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: P843995

Luminaire Tested: **LD6C10DE010B2750 EU6C10B50 6LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843995
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: LD6C10DE010B2750 EU6C10B50 6LBCSMB
Description:
Light Source: -
Ballast/Driver:

Summary

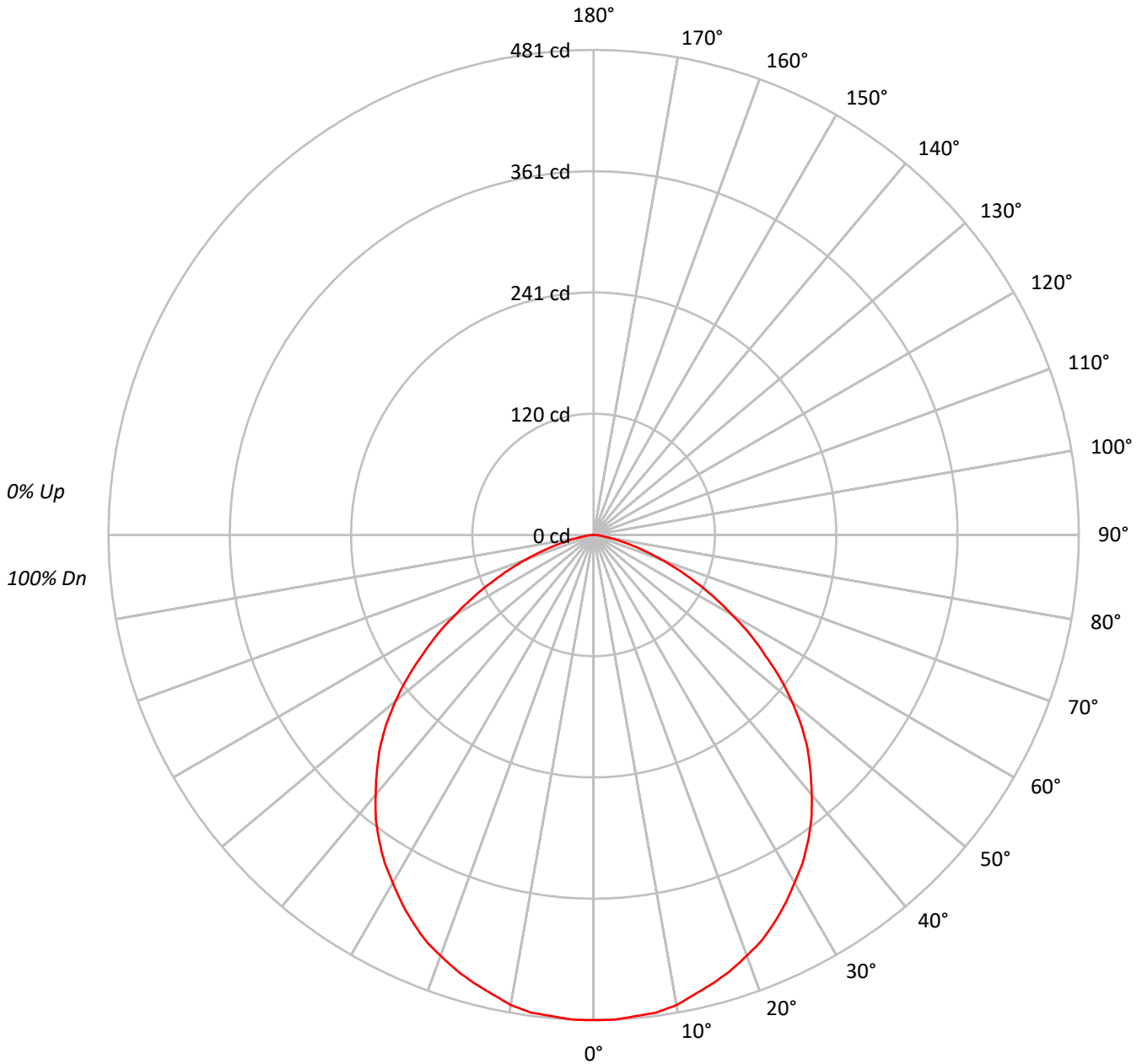
Lumens per Lamp: N/A
Luminaire Lumens: 1178.2 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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°	26379
5°	26365
10°	26352
15°	26101
20°	25908
25°	25653
30°	25213
35°	24802
40°	24067
45°	23250
50°	21867
55°	19794
60°	17367
65°	14619
70°	11444
75°	8028
80°	4514
85°	3145



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	3.9
10°-20°	129.8	11.0
20°-30°	195.2	16.6
30°-40°	231.4	19.6
40°-50°	230.3	19.5
50°-60°	185.6	15.8
60°-70°	112.3	9.5
70°-80°	41.7	3.5
80°-90°	6.2	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°	370.7	31.5
0°-40°	602.1	51.1
0°-60°	1018.0	86.4
0°-90°	1178.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1178.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	481	
5°	479	46
15°	460	130
25°	424	195
35°	371	231
45°	300	230
55°	207	186
65°	113	112
75°	38	42
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	481.2
2.5°	481.2
5°	479.1
7.5°	477.7
10°	473.4
12.5°	466.2
15°	459.9
17.5°	452.7
20°	444.1
22.5°	435.5
25°	424.1
27.5°	411.9
30°	398.3
32.5°	385.6
35°	370.6
37.5°	354.8
40°	336.3
42.5°	318.3
45°	299.9
47.5°	279.1
50°	256.4
52.5°	232.7
55°	207.1
57.5°	184.2
60°	158.4
62.5°	135.7
65°	112.7
67.5°	91.4
70°	71.4
72.5°	53.6
75°	37.9
77.5°	24.2
80°	14.3
82.5°	8.6
85°	5.0
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)