

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: P843937

Luminaire Tested: **LD6C10DE010B2750 EU6C10B27 6LBMMW**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10DE010B2750 EU6C10B27 6LBMMW
Description:
Light Source: -
Ballast/Driver:

Summary

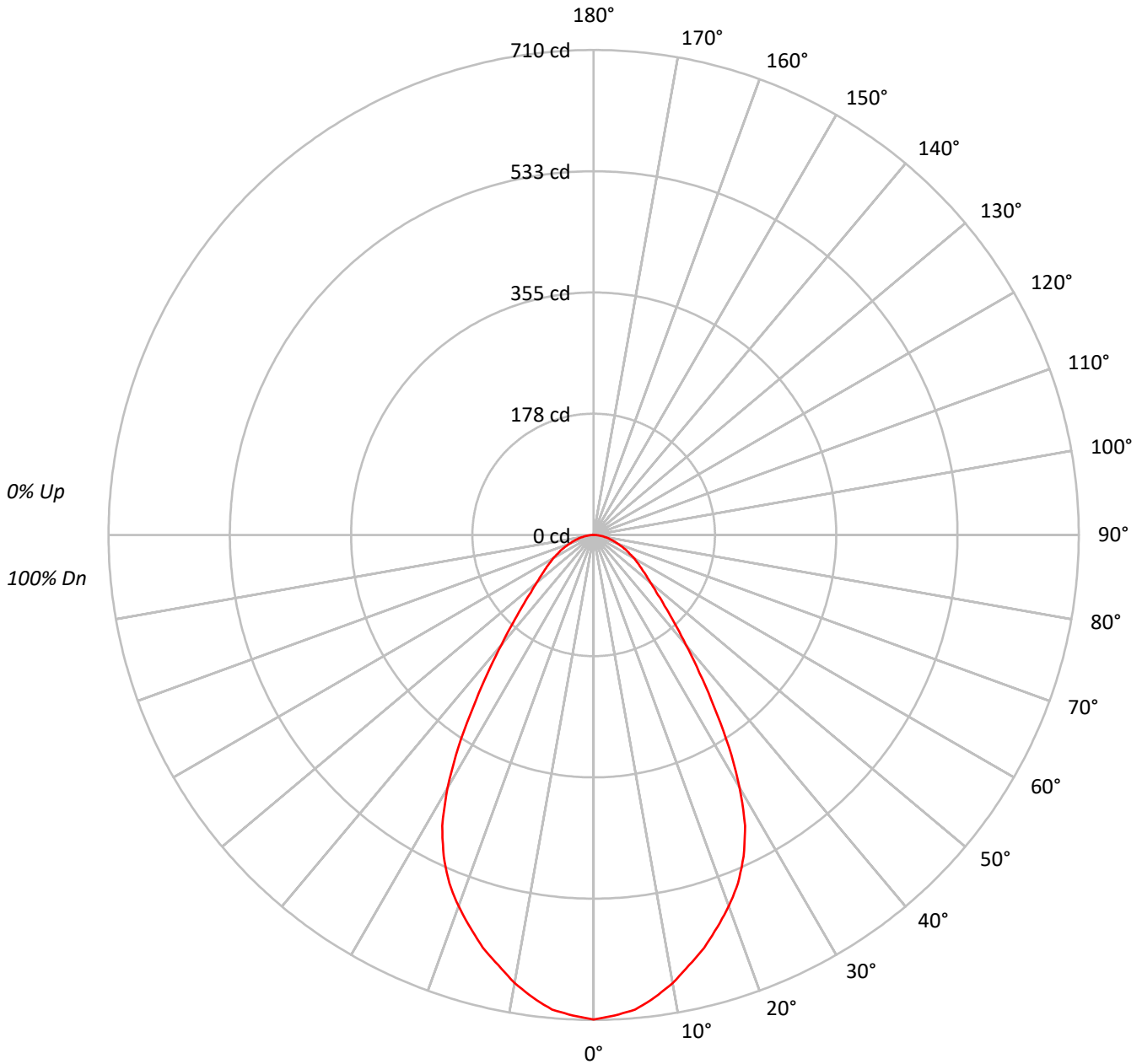
Lumens per Lamp: N/A
Luminaire Lumens: 950.8 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				
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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38895
5°	38389
10°	37085
15°	35505
20°	33737
25°	31411
30°	27061
35°	20539
40°	15014
45°	11389
50°	9279
55°	8143
60°	7477
65°	6810
70°	6091
75°	5549
80°	4988
85°	4151



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	6.9
10°-20°	175.5	18.5
20°-30°	235.7	24.8
30°-40°	193.4	20.3
40°-50°	116.1	12.2
50°-60°	77.1	8.1
60°-70°	51.7	5.4
70°-80°	27.8	2.9
80°-90°	7.9	0.8
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°	476.8	50.1
0°-40°	670.1	70.5
0°-60°	863.4	90.8
0°-90°	950.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	950.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	710	
5°	698	66
15°	626	176
25°	519	236
35°	307	193
45°	147	116
55°	85	77
65°	52	52
75°	26	28
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	709.5
2.5°	704.2
5°	697.6
7.5°	683.2
10°	666.2
12.5°	645.2
15°	625.6
17.5°	601.9
20°	578.3
22.5°	552.1
25°	519.3
27.5°	480.0
30°	427.5
32.5°	368.5
35°	306.9
37.5°	254.4
40°	209.8
42.5°	174.4
45°	146.9
47.5°	124.6
50°	108.8
52.5°	95.7
55°	85.2
57.5°	76.0
60°	68.2
62.5°	59.0
65°	52.5
67.5°	44.6
70°	38.0
72.5°	31.5
75°	26.2
77.5°	20.9
80°	15.8
82.5°	11.8
85°	6.6
87.5°	2.6
90°	0.0



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— 0°-180°







(END OF REPORT)