

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: P843929

Luminaire Tested: **LD6C10DE010B2750 EU6C10B27 6LBCSMW**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843929
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 EU6C10B27 6LBSCMW
Description:
Light Source: -
Ballast/Driver:

Summary

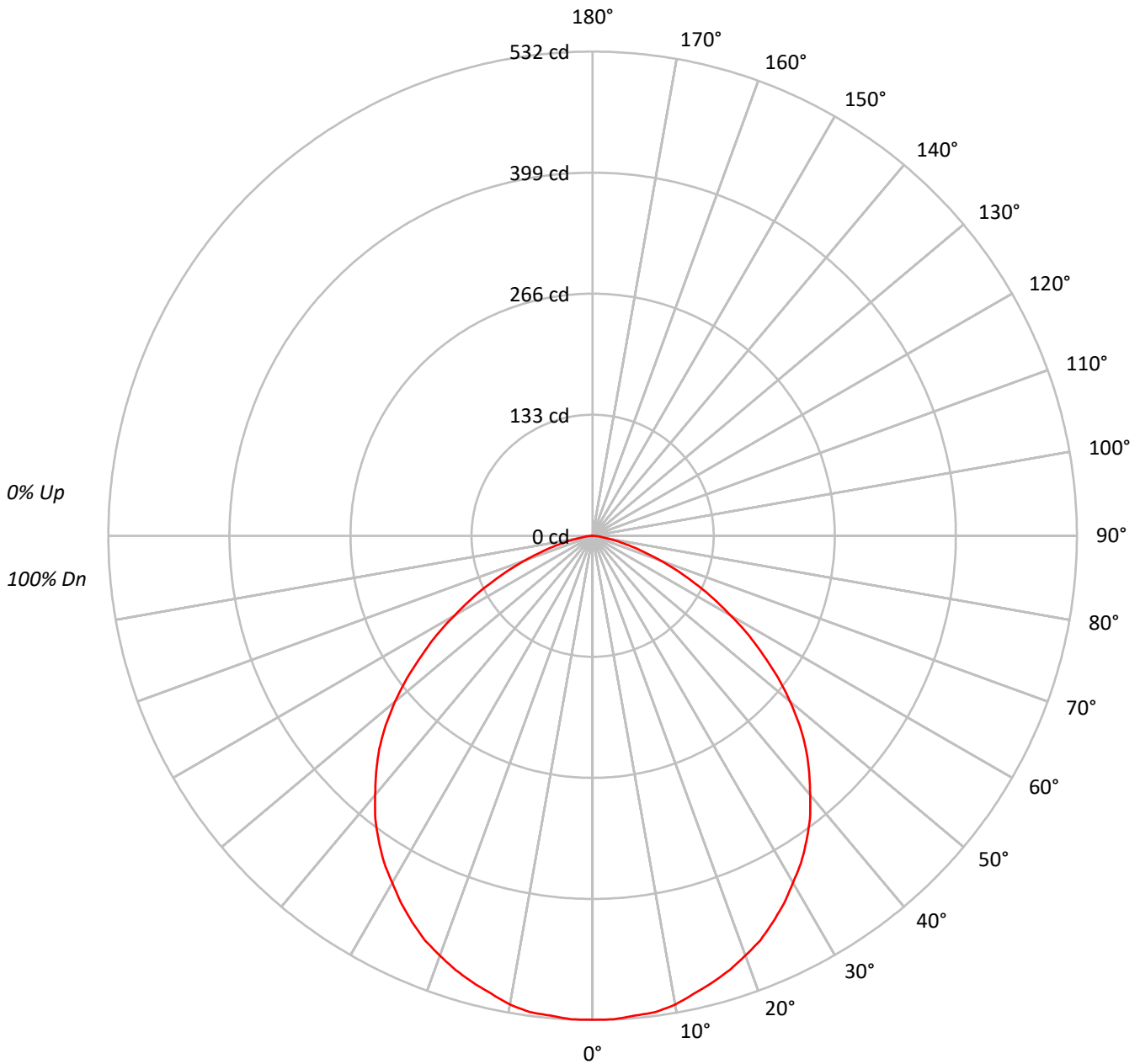
Lumens per Lamp: N/A
Luminaire Lumens: 1302.0 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	29153
5°	29127
10°	29119
15°	28842
20°	28627
25°	28344
30°	27865
35°	27405
40°	26600
45°	25700
50°	24153
55°	21877
60°	19198
65°	16163
70°	12646
75°	8875
80°	4988
85°	3459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	3.9
10°-20°	143.4	11.0
20°-30°	215.7	16.6
30°-40°	255.7	19.6
40°-50°	254.5	19.5
50°-60°	205.1	15.8
60°-70°	124.1	9.5
70°-80°	46.1	3.5
80°-90°	6.8	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°	409.6	31.5
0°-40°	665.3	51.1
0°-60°	1125.0	86.4
0°-90°	1302.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1302.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	532	
5°	529	50
15°	508	143
25°	469	216
35°	410	256
45°	332	254
55°	229	205
65°	125	124
75°	42	46
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	531.8
2.5°	531.8
5°	529.3
7.5°	527.9
10°	523.1
12.5°	515.2
15°	508.2
17.5°	500.3
20°	490.7
22.5°	481.2
25°	468.6
27.5°	455.2
30°	440.2
32.5°	426.1
35°	409.5
37.5°	392.2
40°	371.7
42.5°	351.9
45°	331.5
47.5°	308.4
50°	283.2
52.5°	257.2
55°	228.9
57.5°	203.5
60°	175.1
62.5°	149.9
65°	124.6
67.5°	101.0
70°	78.9
72.5°	59.2
75°	41.9
77.5°	26.9
80°	15.8
82.5°	9.4
85°	5.5
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)