

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: P844183

Luminaire Tested: **LD6C25DE010B2750 EU6C25B27 6LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844183
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: LD6C25DE010B2750 EU6C25B27 6LBCSMMS
Description:
Light Source: -
Ballast/Driver:

Summary

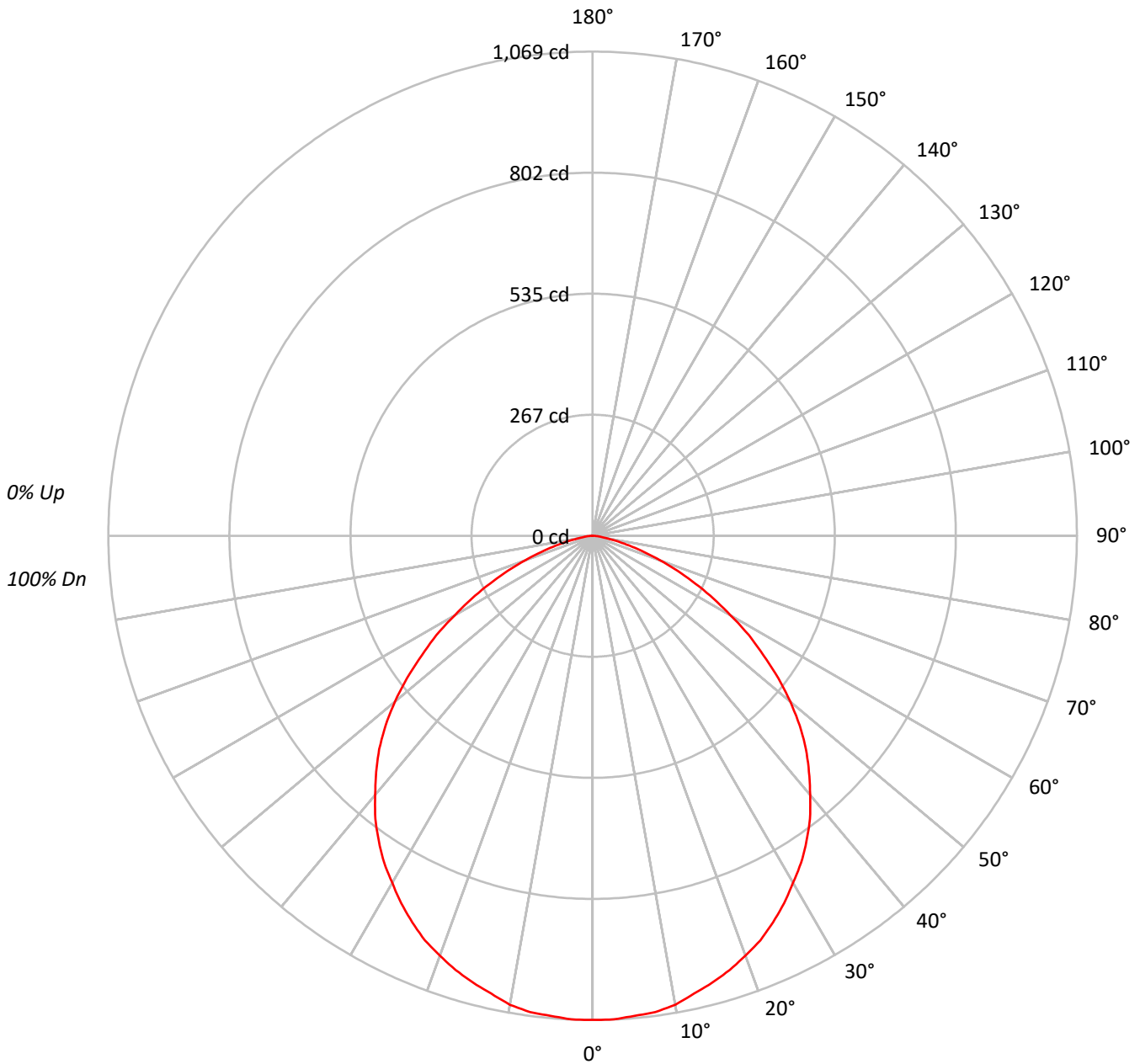
Lumens per Lamp: N/A
Luminaire Lumens: 2616.5 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 29.8
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°	58592
5°	58546
10°	58522
15°	57963
20°	57539
25°	56967
30°	56002
35°	55084
40°	53450
45°	51641
50°	48553
55°	43955
60°	38582
65°	32481
70°	25421
75°	17813
80°	9976
85°	6919



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	3.9
10°-20°	288.3	11.0
20°-30°	433.6	16.6
30°-40°	514.0	19.6
40°-50°	511.4	19.5
50°-60°	412.3	15.8
60°-70°	249.4	9.5
70°-80°	92.6	3.5
80°-90°	13.7	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°	823.2	31.5
0°-40°	1337.1	51.1
0°-60°	2260.8	86.4
0°-90°	2616.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2616.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1069	
5°	1064	101
15°	1021	288
25°	942	434
35°	823	514
45°	666	511
55°	460	412
65°	250	249
75°	84	93
85°	11	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1068.8
2.5°	1068.8
5°	1063.9
7.5°	1060.8
10°	1051.3
12.5°	1035.3
15°	1021.3
17.5°	1005.3
20°	986.3
22.5°	967.1
25°	941.8
27.5°	914.9
30°	884.7
32.5°	856.4
35°	823.1
37.5°	788.1
40°	746.9
42.5°	707.0
45°	666.1
47.5°	619.9
50°	569.3
52.5°	516.9
55°	459.9
57.5°	409.1
60°	351.9
62.5°	301.3
65°	250.4
67.5°	202.9
70°	158.6
72.5°	119.0
75°	84.1
77.5°	53.8
80°	31.6
82.5°	18.9
85°	11.0
87.5°	4.7
90°	0.0



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— 0°-180°







(END OF REPORT)