

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: P844234

Luminaire Tested: **LD6C25DE010B40 EU6C25B40 6LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844234
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: LD6C25DE010B40 EU6C25B40 6LBCSMMS
Description:
Light Source: -
Ballast/Driver:

Summary

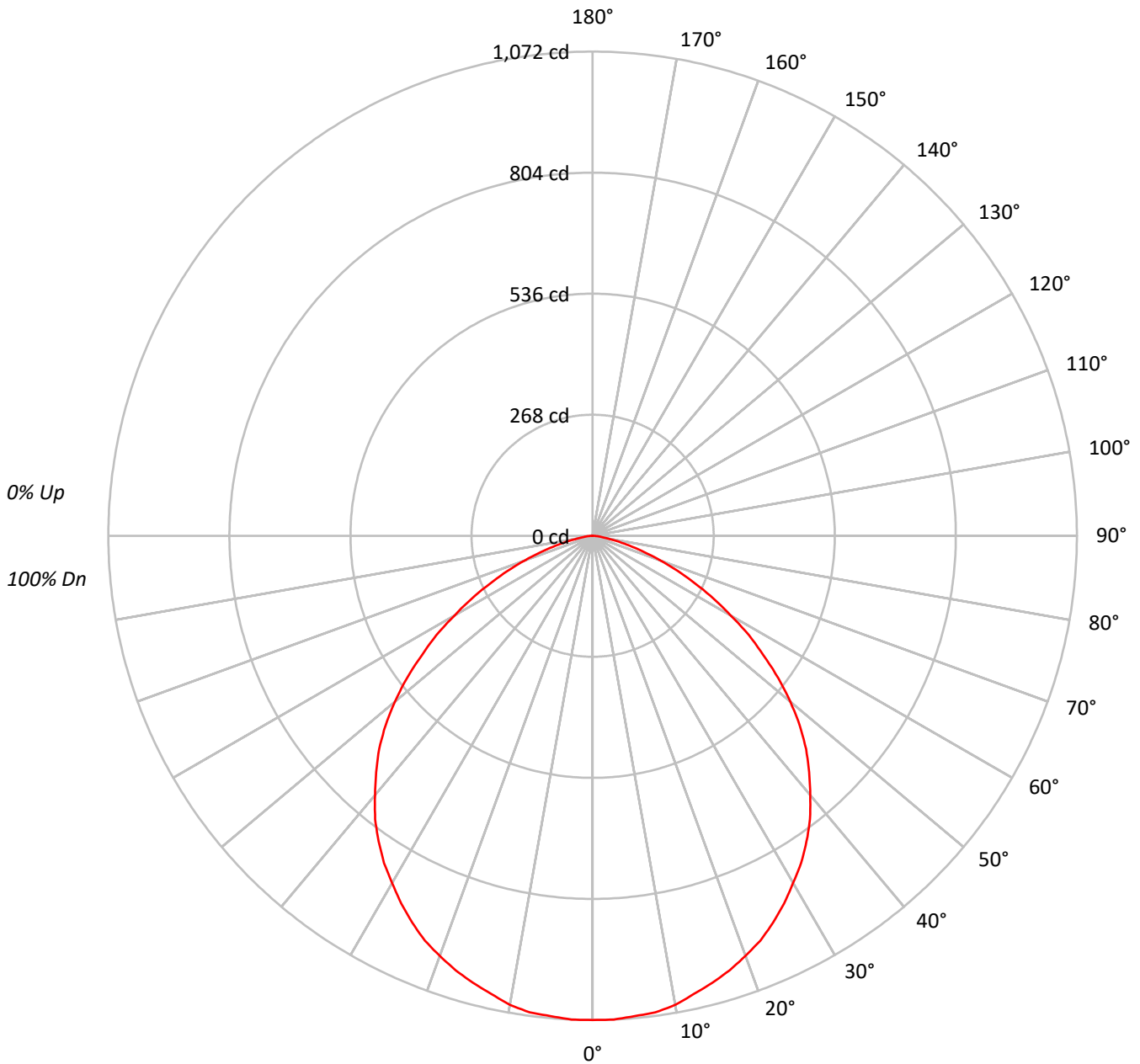
Lumens per Lamp: N/A
Luminaire Lumens: 2625.1 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				
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°	58778
5°	58739
10°	58711
15°	58144
20°	57726
25°	57155
30°	56186
35°	55258
40°	53622
45°	51804
50°	48706
55°	44099
60°	38703
65°	32598
70°	25517
75°	17877
80°	10008
85°	6919



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	3.9
10°-20°	289.2	11.0
20°-30°	435.0	16.6
30°-40°	515.6	19.6
40°-50°	513.1	19.5
50°-60°	413.6	15.8
60°-70°	250.2	9.5
70°-80°	92.9	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°	825.8	31.5
0°-40°	1341.5	51.1
0°-60°	2268.2	86.4
0°-90°	2625.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2625.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1072	
5°	1067	102
15°	1024	289
25°	945	435
35°	826	516
45°	668	513
55°	461	414
65°	251	250
75°	84	93
85°	11	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1072.2
2.5°	1072.2
5°	1067.4
7.5°	1064.3
10°	1054.7
12.5°	1038.7
15°	1024.5
17.5°	1008.6
20°	989.5
22.5°	970.3
25°	944.9
27.5°	917.8
30°	887.6
32.5°	859.1
35°	825.7
37.5°	790.7
40°	749.3
42.5°	709.4
45°	668.2
47.5°	621.9
50°	571.1
52.5°	518.6
55°	461.4
57.5°	410.4
60°	353.0
62.5°	302.3
65°	251.3
67.5°	203.6
70°	159.2
72.5°	119.4
75°	84.4
77.5°	54.0
80°	31.7
82.5°	19.0
85°	11.0
87.5°	4.7
90°	0.0



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— 0°-180°







(END OF REPORT)