

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: P844235

Luminaire Tested: **LD6C25DE010B40 EU6C25B40 6LBCSMW**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844235
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 6LBCSMW
Description:
Light Source: -
Ballast/Driver:

Summary

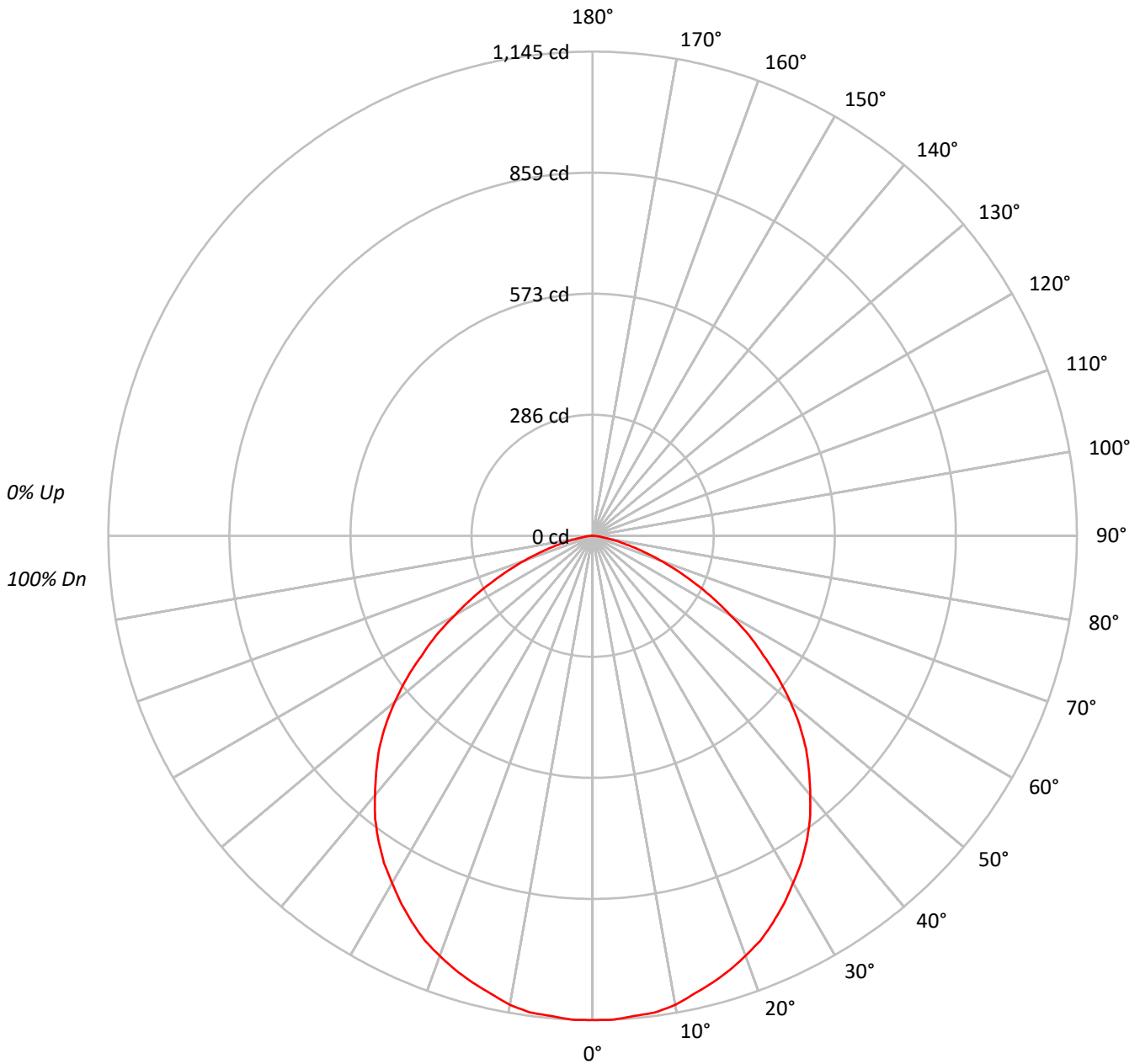
Lumens per Lamp: N/A
Luminaire Lumens: 2803.7 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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°	62786
5°	62734
10°	62708
15°	62106
20°	61658
25°	61044
30°	60009
35°	59026
40°	57272
45°	55331
50°	52024
55°	47109
60°	41334
65°	34803
70°	27248
75°	19084
80°	10671
85°	7422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	3.9
10°-20°	308.9	11.0
20°-30°	464.7	16.6
30°-40°	550.7	19.6
40°-50°	548.0	19.5
50°-60°	441.8	15.8
60°-70°	267.2	9.5
70°-80°	99.3	3.5
80°-90°	14.7	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°	882.0	31.5
0°-40°	1432.8	51.1
0°-60°	2422.6	86.4
0°-90°	2803.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2803.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1145	
5°	1140	108
15°	1094	309
25°	1009	465
35°	882	551
45°	714	548
55°	493	442
65°	268	267
75°	90	99
85°	12	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1145.3
2.5°	1145.3
5°	1140.0
7.5°	1136.7
10°	1126.5
12.5°	1109.4
15°	1094.3
17.5°	1077.2
20°	1056.9
22.5°	1036.4
25°	1009.2
27.5°	980.3
30°	948.0
32.5°	917.6
35°	882.0
37.5°	844.5
40°	800.3
42.5°	757.7
45°	713.7
47.5°	664.3
50°	610.0
52.5°	553.8
55°	492.9
57.5°	438.3
60°	377.0
62.5°	322.9
65°	268.3
67.5°	217.4
70°	170.0
72.5°	127.6
75°	90.1
77.5°	57.7
80°	33.8
82.5°	20.3
85°	11.8
87.5°	5.0
90°	0.0



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— 0°-180°







(END OF REPORT)