

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: P844251

Luminaire Tested: **LD6C25DE010B50 EU6C25B50 6LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844251
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: LD6C25DE010B50 EU6C25B50 6LBCSMMS
Description:
Light Source: -
Ballast/Driver:

Summary

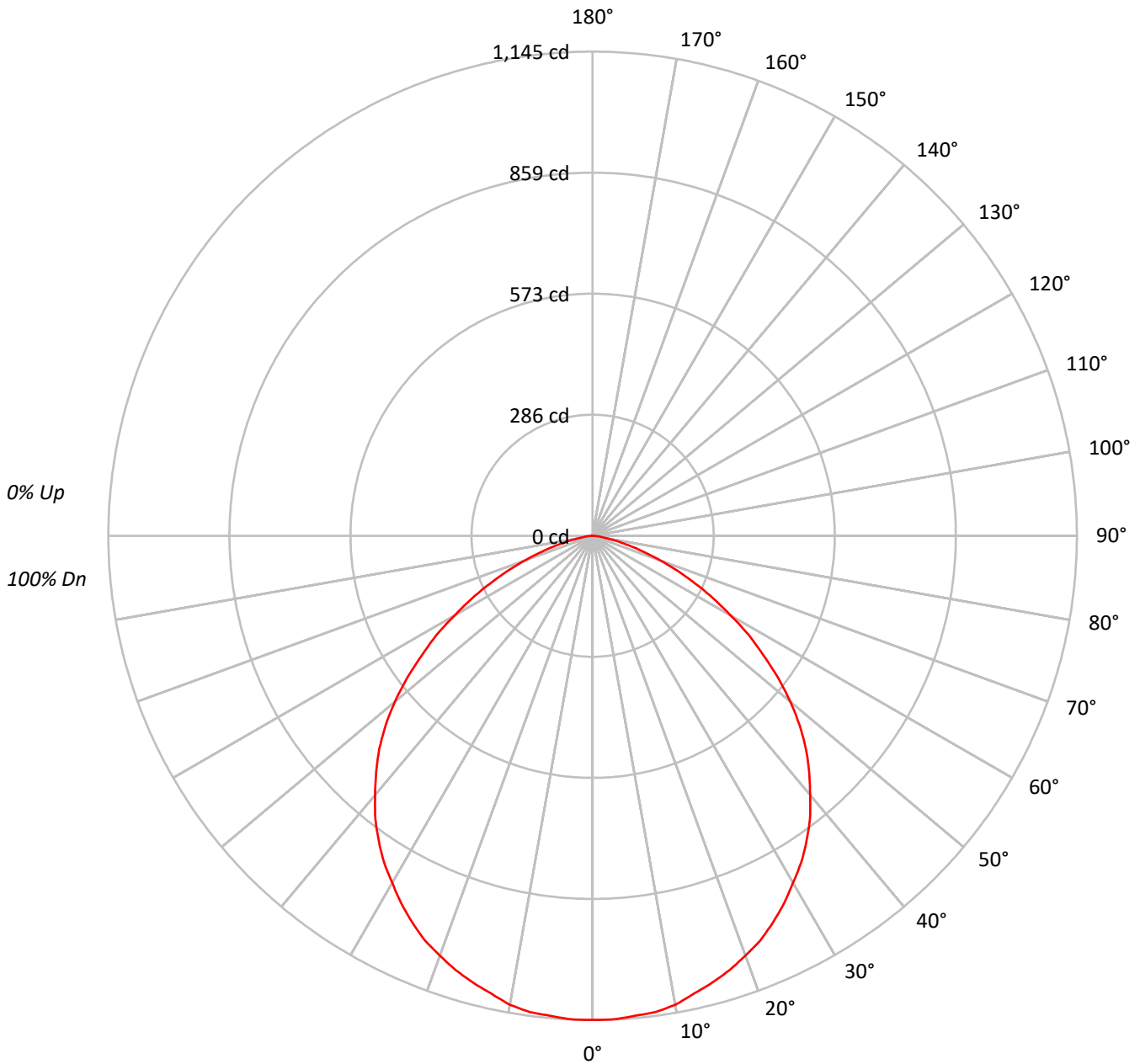
Lumens per Lamp: N/A
Luminaire Lumens: 2802.7 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	62764
5°	62712
10°	62685
15°	62083
20°	61635
25°	61026
30°	59984
35°	58999
40°	57250
45°	55316
50°	52007
55°	47081
60°	41323
65°	34803
70°	27232
75°	19084
80°	10671
85°	7422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	3.9
10°-20°	308.8	11.0
20°-30°	464.5	16.6
30°-40°	550.5	19.6
40°-50°	547.8	19.5
50°-60°	441.6	15.8
60°-70°	267.1	9.5
70°-80°	99.2	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°	881.7	31.5
0°-40°	1432.3	51.1
0°-60°	2421.7	86.4
0°-90°	2802.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2802.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1145	
5°	1140	108
15°	1094	309
25°	1009	464
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°	1144.9
2.5°	1144.9
5°	1139.6
7.5°	1136.3
10°	1126.1
12.5°	1108.9
15°	1093.9
17.5°	1076.9
20°	1056.5
22.5°	1036.0
25°	1008.9
27.5°	980.0
30°	947.6
32.5°	917.3
35°	881.6
37.5°	844.2
40°	800.0
42.5°	757.4
45°	713.5
47.5°	664.0
50°	609.8
52.5°	553.6
55°	492.6
57.5°	438.2
60°	376.9
62.5°	322.7
65°	268.3
67.5°	217.3
70°	169.9
72.5°	127.4
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)