

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: P844257

Luminaire Tested: **LD6C25DE010B50 EU6C25B50 6LBMGPH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844257
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25DE010B50 EU6C25B50 6LBMGPH
Description:
Light Source: -
Ballast/Driver:

Summary

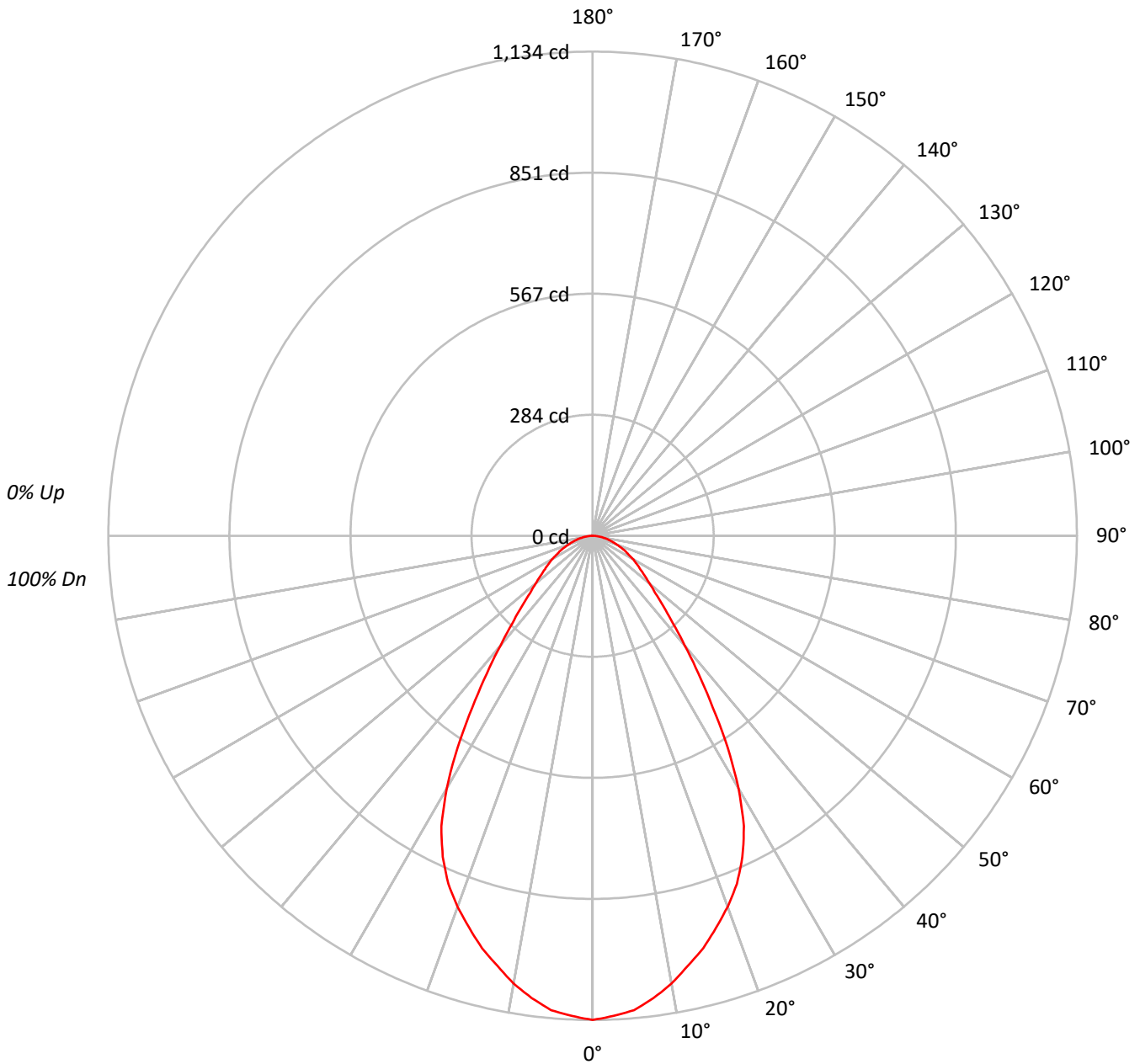
Lumens per Lamp: N/A
Luminaire Lumens: 1519.8 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89				89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79				79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71				71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64				64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58				58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53				53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48				48
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44				44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41				41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38				38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62166
5°	61369
10°	59273
15°	56748
20°	53934
25°	50211
30°	43253
35°	32826
40°	24002
45°	18203
50°	14840
55°	13017
60°	11951
65°	10883
70°	9745
75°	8875
80°	7956
85°	6604



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	6.9
10°-20°	280.6	18.5
20°-30°	376.8	24.8
30°-40°	309.1	20.3
40°-50°	185.6	12.2
50°-60°	123.3	8.1
60°-70°	82.7	5.4
70°-80°	44.5	2.9
80°-90°	12.5	0.8
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°	762.1	50.1
0°-40°	1071.2	70.5
0°-60°	1380.1	90.8
0°-90°	1519.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1519.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1134	
5°	1115	105
15°	1000	281
25°	830	377
35°	490	309
45°	235	186
55°	136	123
65°	84	83
75°	42	44
85°	10	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1134.0
2.5°	1125.6
5°	1115.2
7.5°	1092.1
10°	1064.8
12.5°	1031.3
15°	999.9
17.5°	962.1
20°	924.5
22.5°	882.5
25°	830.1
27.5°	767.2
30°	683.3
32.5°	589.0
35°	490.5
37.5°	406.7
40°	335.4
42.5°	278.8
45°	234.8
47.5°	199.2
50°	174.0
52.5°	153.0
55°	136.2
57.5°	121.6
60°	109.0
62.5°	94.3
65°	83.9
67.5°	71.3
70°	60.8
72.5°	50.3
75°	41.9
77.5°	33.5
80°	25.2
82.5°	18.8
85°	10.5
87.5°	4.2
90°	0.0



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— 0°-180°







(END OF REPORT)