

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: P844081

Luminaire Tested: **LD6C15DE010B50 EU6C15B50 6LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844081
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: LD6C15DE010B50 EU6C15B50 6LBCSMMS
Description:
Light Source: -
Ballast/Driver:

Summary

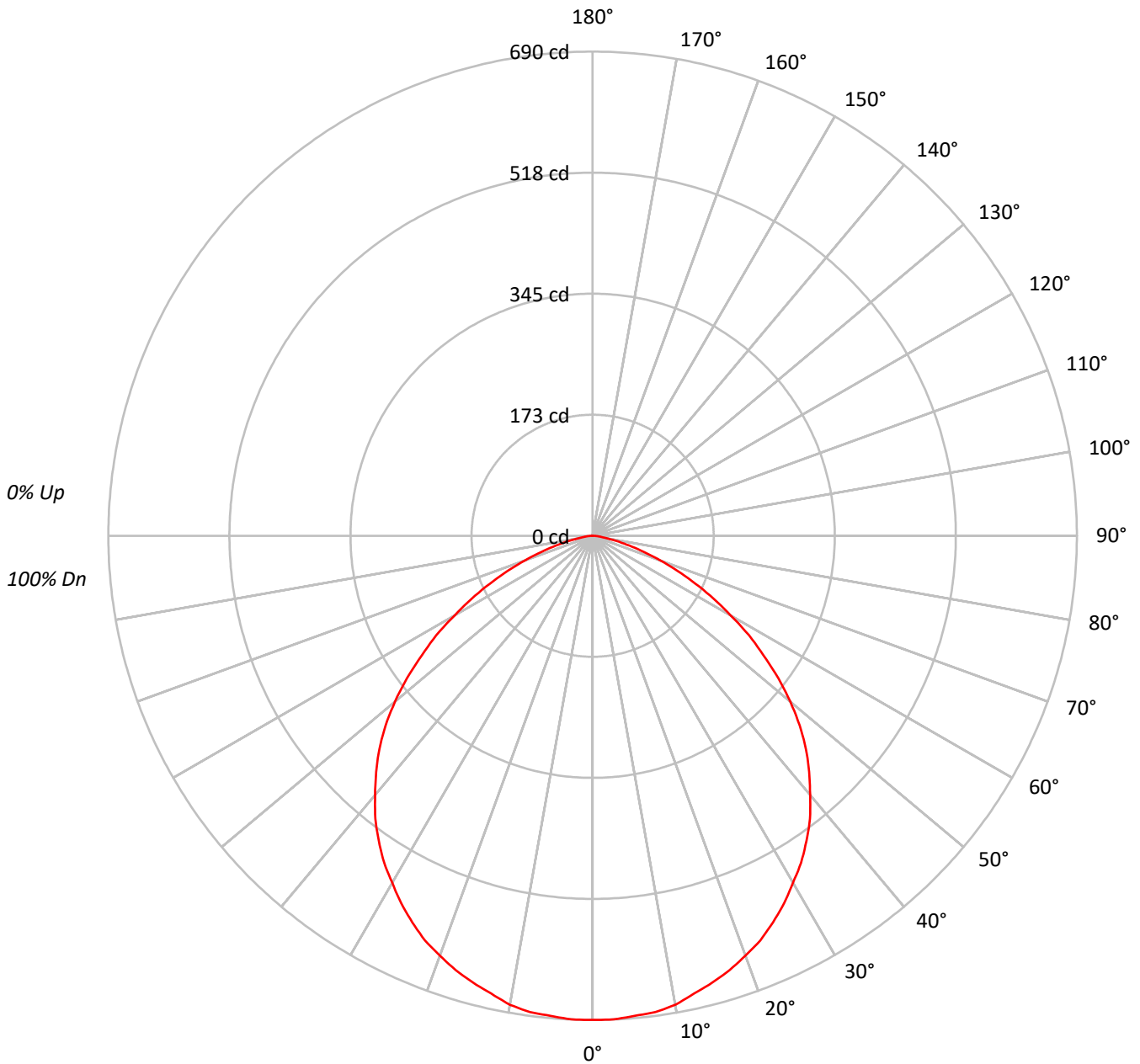
Lumens per Lamp: N/A
Luminaire Lumens: 1689.1 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 17
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			
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87			
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74			
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63			
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55			
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48			
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42			
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33			
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30			
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37820
5°	37789
10°	37775
15°	37412
20°	37144
25°	36770
30°	36145
35°	35550
40°	34508
45°	33329
50°	31342
55°	28377
60°	24910
65°	20975
70°	16413
75°	11501
80°	6440
85°	4466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	3.9
10°-20°	186.1	11.0
20°-30°	279.9	16.6
30°-40°	331.7	19.6
40°-50°	330.2	19.5
50°-60°	266.1	15.8
60°-70°	161.0	9.5
70°-80°	59.8	3.5
80°-90°	8.9	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°	531.4	31.5
0°-40°	863.1	51.1
0°-60°	1459.4	86.4
0°-90°	1689.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1689.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	690	
5°	687	65
15°	659	186
25°	608	280
35°	531	332
45°	430	330
55°	297	266
65°	162	161
75°	54	60
85°	7	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	689.9
2.5°	689.9
5°	686.7
7.5°	684.8
10°	678.6
12.5°	668.3
15°	659.2
17.5°	649.0
20°	636.7
22.5°	624.3
25°	607.9
27.5°	590.6
30°	571.0
32.5°	552.7
35°	531.2
37.5°	508.7
40°	482.2
42.5°	456.5
45°	429.9
47.5°	400.2
50°	367.5
52.5°	333.6
55°	296.9
57.5°	264.1
60°	227.2
62.5°	194.5
65°	161.7
67.5°	130.9
70°	102.4
72.5°	76.8
75°	54.3
77.5°	34.8
80°	20.4
82.5°	12.3
85°	7.1
87.5°	3.1
90°	0.0



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— 0°-180°







(END OF REPORT)