

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: P843911

Luminaire Tested: **LD6C08DE010B2750 EU6C08B50 6LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843911
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: LD6C08DE010B2750 EU6C08B50 6LBCSMMS
Description:
Light Source: -
Ballast/Driver:

Summary

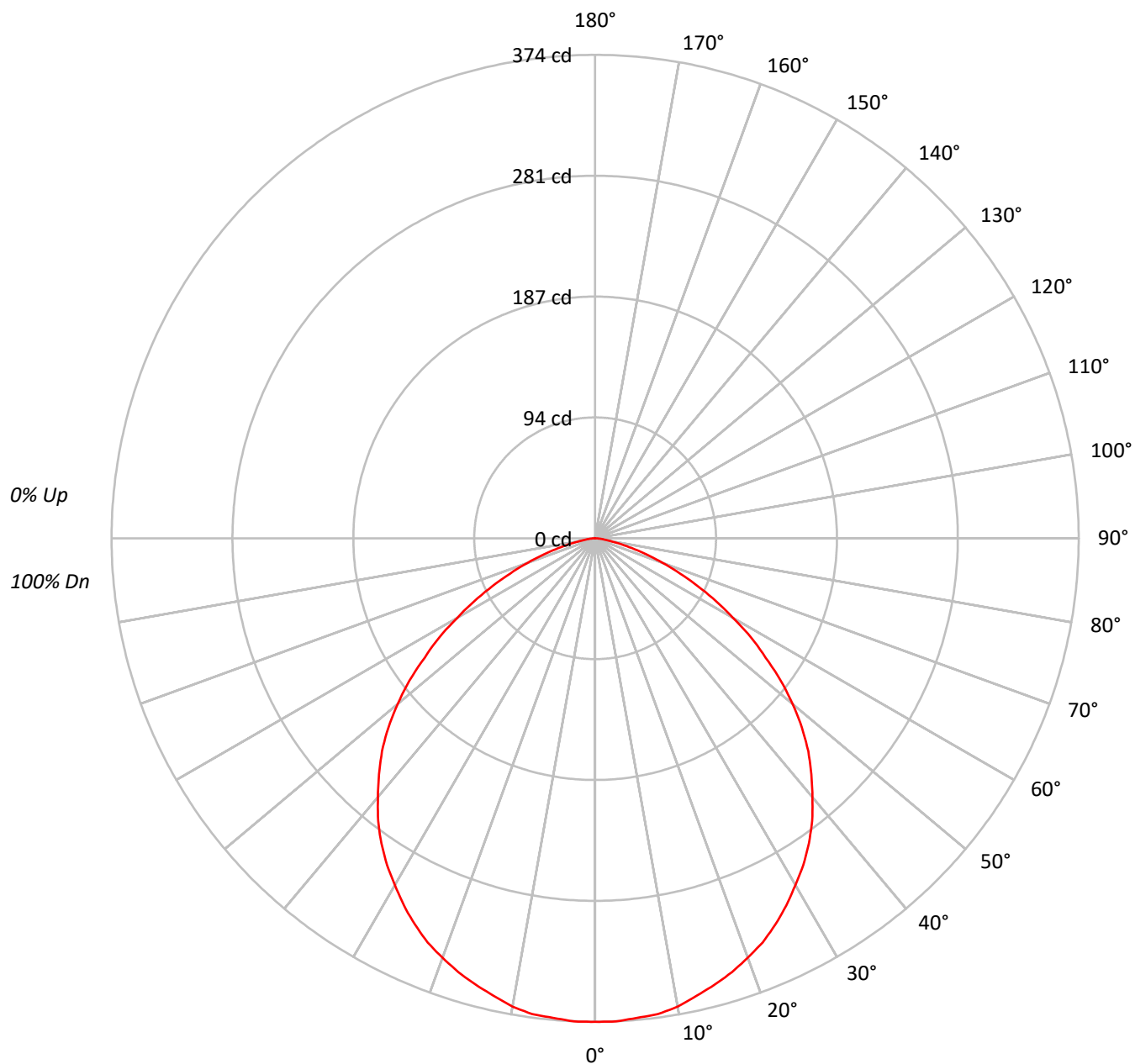
Lumens per Lamp: N/A
Luminaire Lumens: 915.9 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	20508
5°	20493
10°	20485
15°	20290
20°	20138
25°	19943
30°	19604
35°	19281
40°	18706
45°	18072
50°	16997
55°	15388
60°	13508
65°	11376
70°	8896
75°	6227
80°	3504
85°	2390



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	3.9
10°-20°	100.9	11.0
20°-30°	151.8	16.6
30°-40°	179.9	19.6
40°-50°	179.0	19.5
50°-60°	144.3	15.8
60°-70°	87.3	9.5
70°-80°	32.4	3.5
80°-90°	4.8	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°	288.1	31.5
0°-40°	468.0	51.1
0°-60°	791.4	86.4
0°-90°	915.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	915.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	374	
5°	372	35
15°	358	101
25°	330	152
35°	288	180
45°	233	179
55°	161	144
65°	88	87
75°	29	32
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	374.1
2.5°	374.1
5°	372.4
7.5°	371.3
10°	368.0
12.5°	362.5
15°	357.5
17.5°	351.9
20°	345.2
22.5°	338.5
25°	329.7
27.5°	320.3
30°	309.7
32.5°	299.7
35°	288.1
37.5°	275.8
40°	261.4
42.5°	247.5
45°	233.1
47.5°	217.0
50°	199.3
52.5°	181.0
55°	161.0
57.5°	143.2
60°	123.2
62.5°	105.4
65°	87.7
67.5°	71.1
70°	55.5
72.5°	41.7
75°	29.4
77.5°	18.8
80°	11.1
82.5°	6.7
85°	3.8
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)