

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: P844438

Luminaire Tested: **LD6C40DE010B2750 EU6C40B27 6LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844438
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: LD6C40DE010B2750 EU6C40B27 6LBCSMMS
Description:
Light Source: -
Ballast/Driver:

Summary

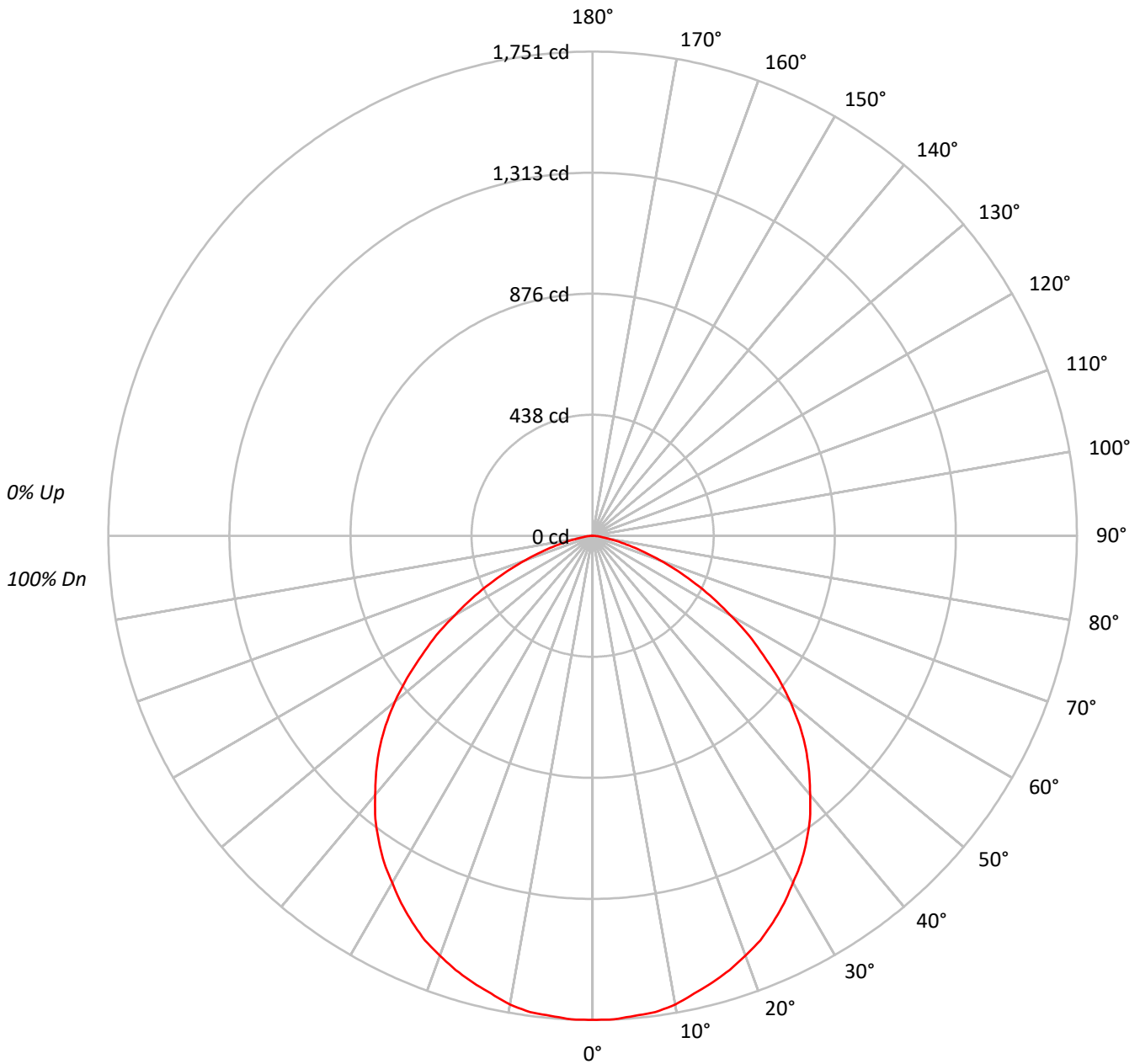
Lumens per Lamp: N/A
Luminaire Lumens: 4285.5 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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				
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°	95968
5°	95889
10°	95840
15°	94927
20°	94240
25°	93308
30°	91723
35°	90219
40°	87543
45°	84575
50°	79520
55°	71988
60°	63186
65°	53209
70°	41642
75°	29166
80°	16353
85°	11385



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.8	3.9
10°-20°	472.1	11.0
20°-30°	710.2	16.6
30°-40°	841.8	19.6
40°-50°	837.6	19.5
50°-60°	675.2	15.8
60°-70°	408.4	9.5
70°-80°	151.7	3.5
80°-90°	22.5	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°	1348.2	31.5
0°-40°	2190.0	51.1
0°-60°	3702.9	86.4
0°-90°	4285.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4285.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1751	
5°	1742	166
15°	1673	472
25°	1543	710
35°	1348	842
45°	1091	838
55°	753	675
65°	410	408
75°	138	152
85°	18	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1750.6
2.5°	1750.6
5°	1742.5
7.5°	1737.5
10°	1721.7
12.5°	1695.7
15°	1672.6
17.5°	1646.5
20°	1615.4
22.5°	1584.0
25°	1542.6
27.5°	1498.5
30°	1449.0
32.5°	1402.5
35°	1348.1
37.5°	1290.8
40°	1223.3
42.5°	1158.1
45°	1090.9
47.5°	1015.3
50°	932.4
52.5°	846.5
55°	753.2
57.5°	670.0
60°	576.3
62.5°	493.5
65°	410.2
67.5°	332.3
70°	259.8
72.5°	194.9
75°	137.7
77.5°	88.2
80°	51.8
82.5°	31.1
85°	18.1
87.5°	7.7
90°	0.0



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— 0°-180°







(END OF REPORT)