

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: P844447

Luminaire Tested: **LD6C40DE010B2750 EU6C40B27 6LBMMW**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844447
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: LD6C40DE010B2750 EU6C40B27 6LBMMW
Description:
Light Source: -
Ballast/Driver:

Summary

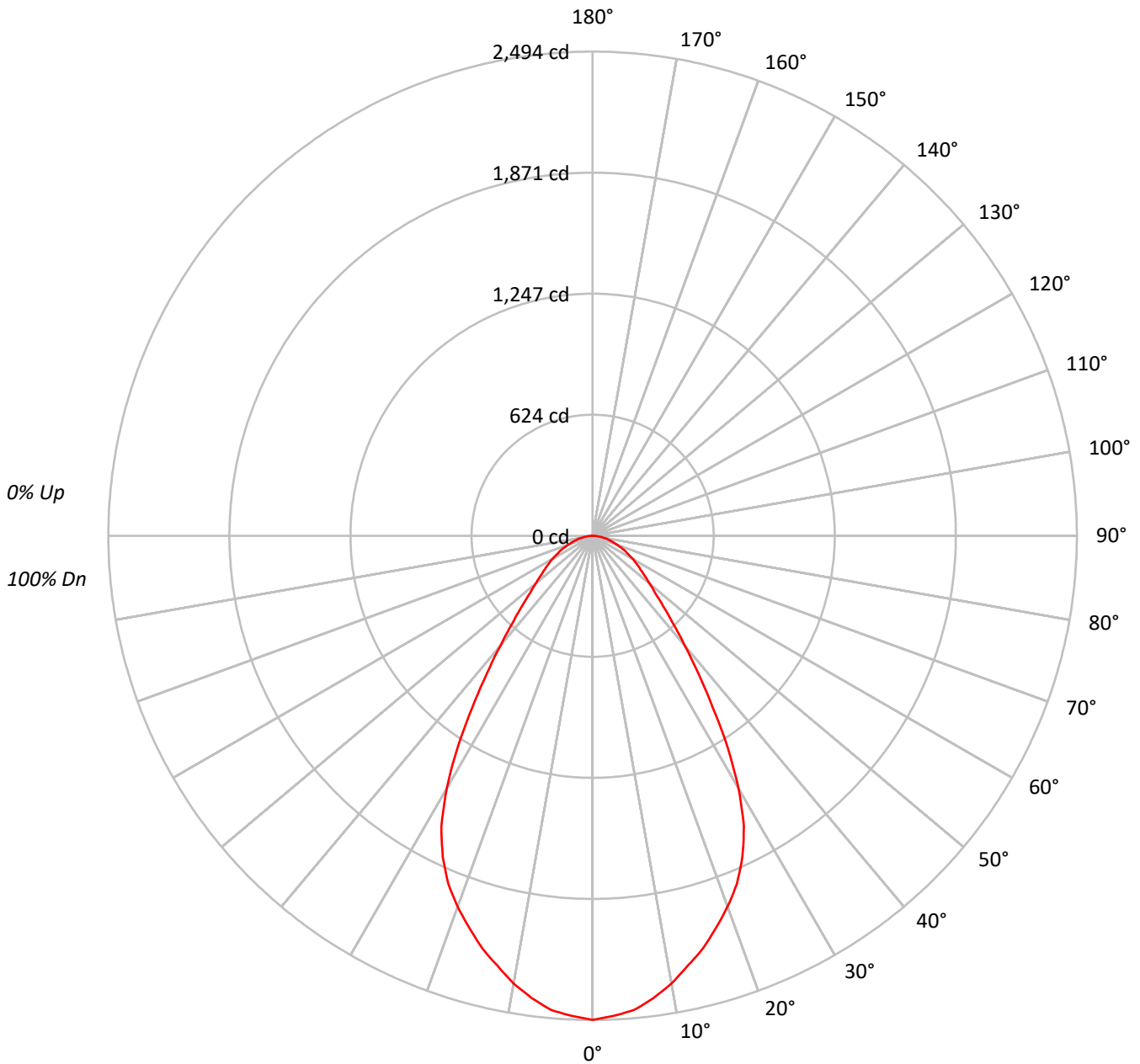
Lumens per Lamp: N/A
Luminaire Lumens: 3342.1 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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			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°	136711
5°	134949
10°	130353
15°	124791
20°	118596
25°	110414
30°	95122
35°	72190
40°	52777
45°	40020
50°	32639
55°	28635
60°	26281
65°	23933
70°	21414
75°	19508
80°	17458
85°	14530



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.4	6.9
10°-20°	617.1	18.5
20°-30°	828.5	24.8
30°-40°	679.6	20.3
40°-50°	408.1	12.2
50°-60°	271.2	8.1
60°-70°	181.8	5.4
70°-80°	97.8	2.9
80°-90°	27.6	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°	1676.0	50.1
0°-40°	2355.6	70.5
0°-60°	3035.0	90.8
0°-90°	3342.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3342.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2494	
5°	2452	230
15°	2199	617
25°	1825	829
35°	1079	680
45°	516	408
55°	300	271
65°	184	182
75°	92	98
85°	23	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2493.8
2.5°	2475.3
5°	2452.3
7.5°	2401.6
10°	2341.7
12.5°	2267.9
15°	2198.8
17.5°	2115.8
20°	2032.9
22.5°	1940.7
25°	1825.4
27.5°	1687.1
30°	1502.7
32.5°	1295.3
35°	1078.7
37.5°	894.2
40°	737.5
42.5°	613.1
45°	516.2
47.5°	437.9
50°	382.7
52.5°	336.5
55°	299.6
57.5°	267.4
60°	239.7
62.5°	207.4
65°	184.5
67.5°	156.7
70°	133.6
72.5°	110.6
75°	92.1
77.5°	73.7
80°	55.3
82.5°	41.5
85°	23.1
87.5°	9.2
90°	0.0



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— 0°-180°







(END OF REPORT)