

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: P844488

Luminaire Tested: **LD6C40DE010B2750 EU6C40B40 6LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844488
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 EU6C40B40 6LBCSMB
Description:
Light Source: -
Ballast/Driver:

Summary

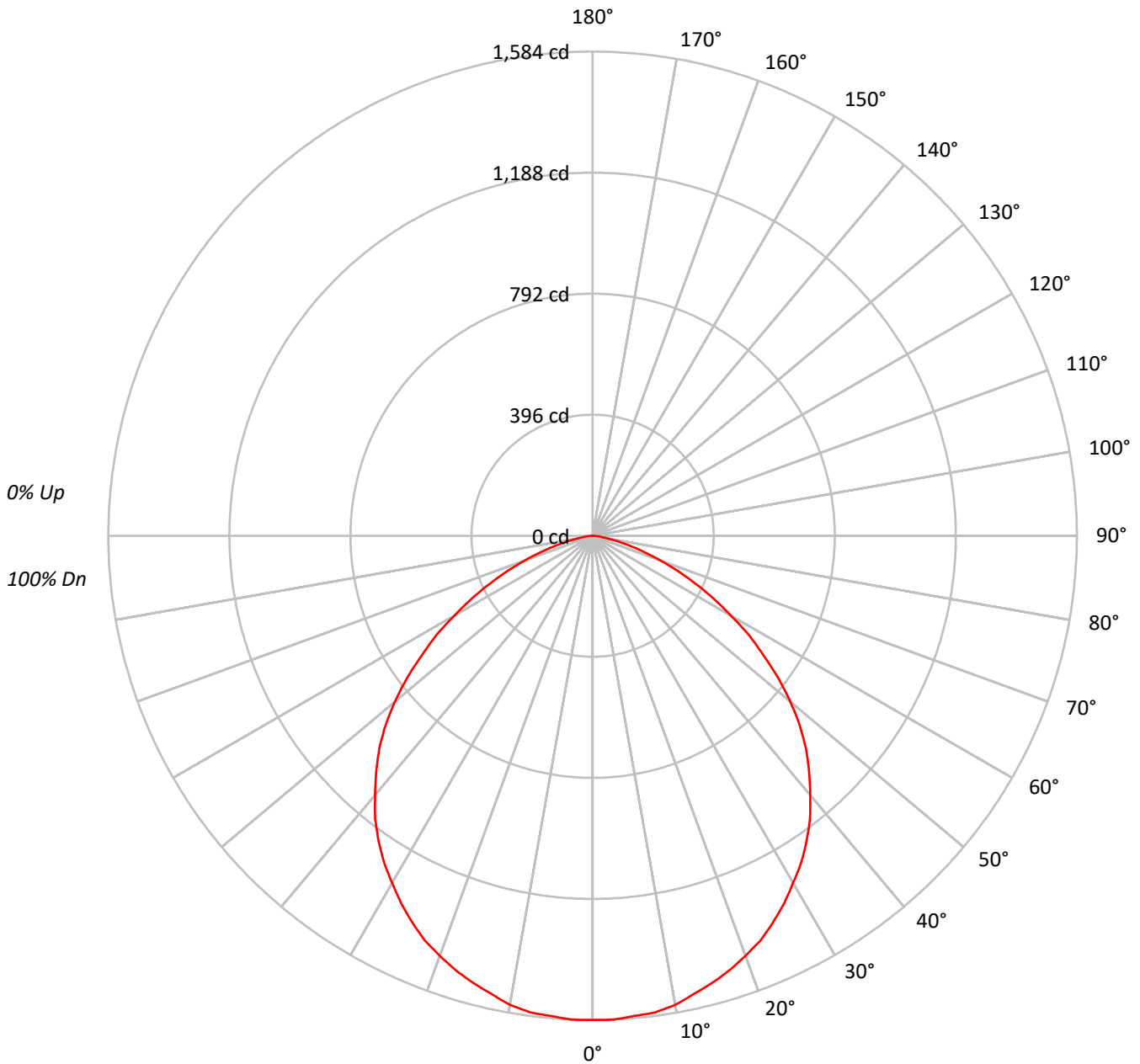
Lumens per Lamp: N/A
Luminaire Lumens: 3878.3 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	86846
5°	86776
10°	86739
15°	85909
20°	85291
25°	84440
30°	83006
35°	81646
40°	79227
45°	76543
50°	71972
55°	65145
60°	57188
65°	48150
70°	37683
75°	26413
80°	14806
85°	10253



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.1	3.9
10°-20°	427.3	11.0
20°-30°	642.7	16.6
30°-40°	761.8	19.6
40°-50°	758.1	19.5
50°-60°	611.1	15.8
60°-70°	369.6	9.5
70°-80°	137.3	3.5
80°-90°	20.4	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°	1220.1	31.5
0°-40°	1981.9	51.1
0°-60°	3351.1	86.4
0°-90°	3878.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3878.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1584	
5°	1577	150
15°	1514	427
25°	1396	643
35°	1220	762
45°	987	758
55°	682	611
65°	371	370
75°	125	137
85°	16	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1584.2
2.5°	1584.2
5°	1576.9
7.5°	1572.4
10°	1558.2
12.5°	1534.5
15°	1513.7
17.5°	1490.1
20°	1462.0
22.5°	1433.5
25°	1396.0
27.5°	1356.1
30°	1311.3
32.5°	1269.3
35°	1220.0
37.5°	1168.2
40°	1107.1
42.5°	1048.0
45°	987.3
47.5°	918.9
50°	843.9
52.5°	766.0
55°	681.6
57.5°	606.3
60°	521.6
62.5°	446.5
65°	371.2
67.5°	300.7
70°	235.1
72.5°	176.4
75°	124.7
77.5°	79.9
80°	46.9
82.5°	28.1
85°	16.3
87.5°	7.0
90°	0.0



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— 0°-180°







(END OF REPORT)