

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: P844471

Luminaire Tested: **LD6C40DE010B2750 EU6C40B35 6LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844471
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 EU6C40B35 6LBCSMB
Description:
Light Source: -
Ballast/Driver:

Summary

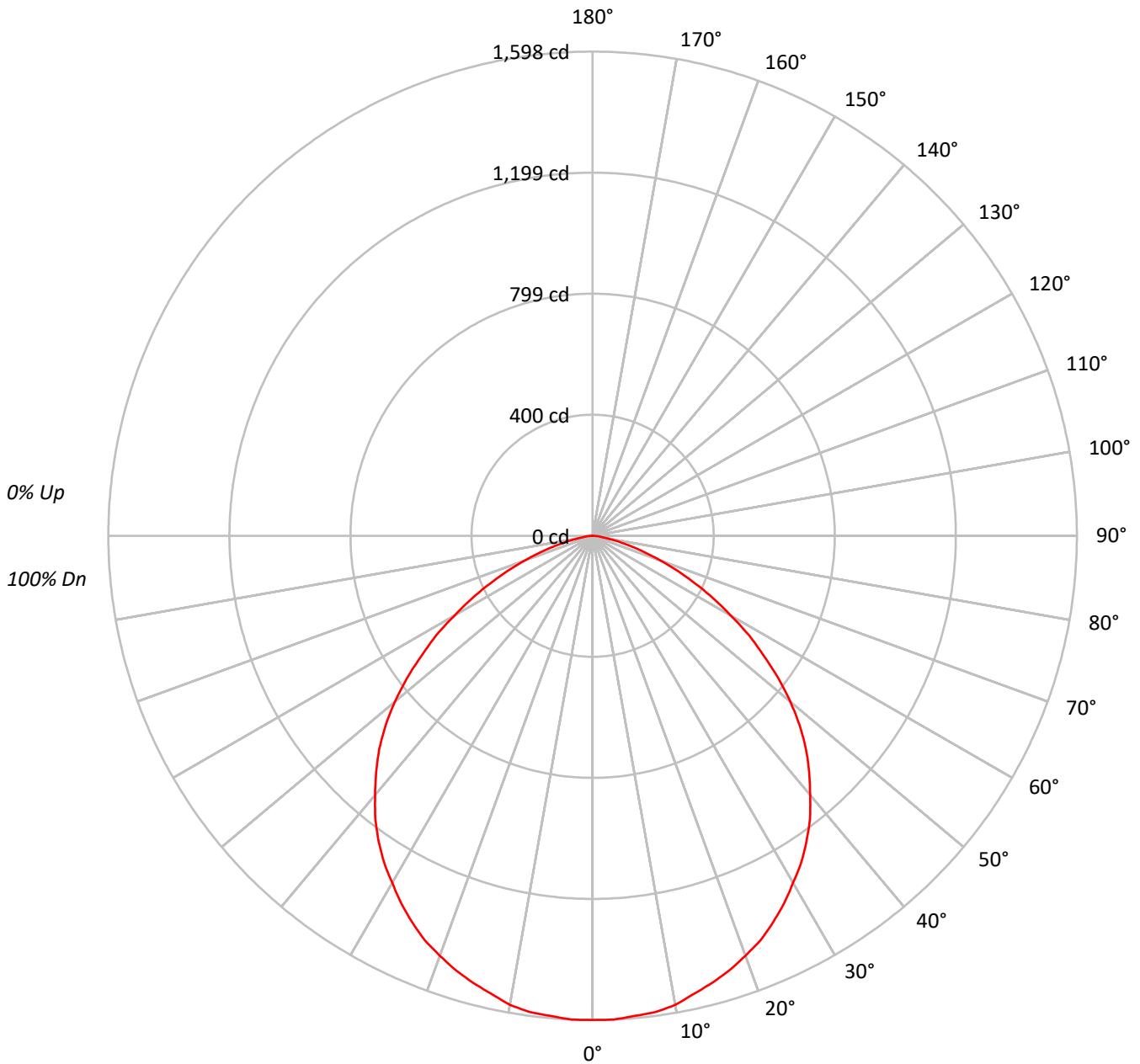
Lumens per Lamp: N/A
Luminaire Lumens: 3912.2 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			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°	87608
5°	87536
10°	87490
15°	86658
20°	86037
25°	85172
30°	83728
35°	82356
40°	79921
45°	77210
50°	72595
55°	65728
60°	57693
65°	48578
70°	38003
75°	26646
80°	14932
85°	10378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	3.9
10°-20°	431.0	11.0
20°-30°	648.3	16.6
30°-40°	768.5	19.6
40°-50°	764.7	19.5
50°-60°	616.4	15.8
60°-70°	372.8	9.5
70°-80°	138.5	3.5
80°-90°	20.5	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°	1230.7	31.5
0°-40°	1999.2	51.1
0°-60°	3380.3	86.4
0°-90°	3912.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3912.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1598	
5°	1591	151
15°	1527	431
25°	1408	648
35°	1231	768
45°	996	765
55°	688	616
65°	374	373
75°	126	139
85°	16	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1598.1
2.5°	1598.1
5°	1590.7
7.5°	1586.1
10°	1571.7
12.5°	1548.0
15°	1526.9
17.5°	1503.1
20°	1474.8
22.5°	1446.0
25°	1408.1
27.5°	1367.9
30°	1322.7
32.5°	1280.4
35°	1230.6
37.5°	1178.4
40°	1116.8
42.5°	1057.2
45°	995.9
47.5°	926.9
50°	851.2
52.5°	772.7
55°	687.7
57.5°	611.6
60°	526.2
62.5°	450.4
65°	374.5
67.5°	303.3
70°	237.1
72.5°	178.0
75°	125.8
77.5°	80.6
80°	47.3
82.5°	28.3
85°	16.5
87.5°	7.0
90°	0.0



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— 0°-180°







(END OF REPORT)