

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: P844473

Luminaire Tested: **LD6C40DE010B2750 EU6C40B35 6LBCSMW**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844473
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 6LBSCMW
Description:
Light Source: -
Ballast/Driver:

Summary

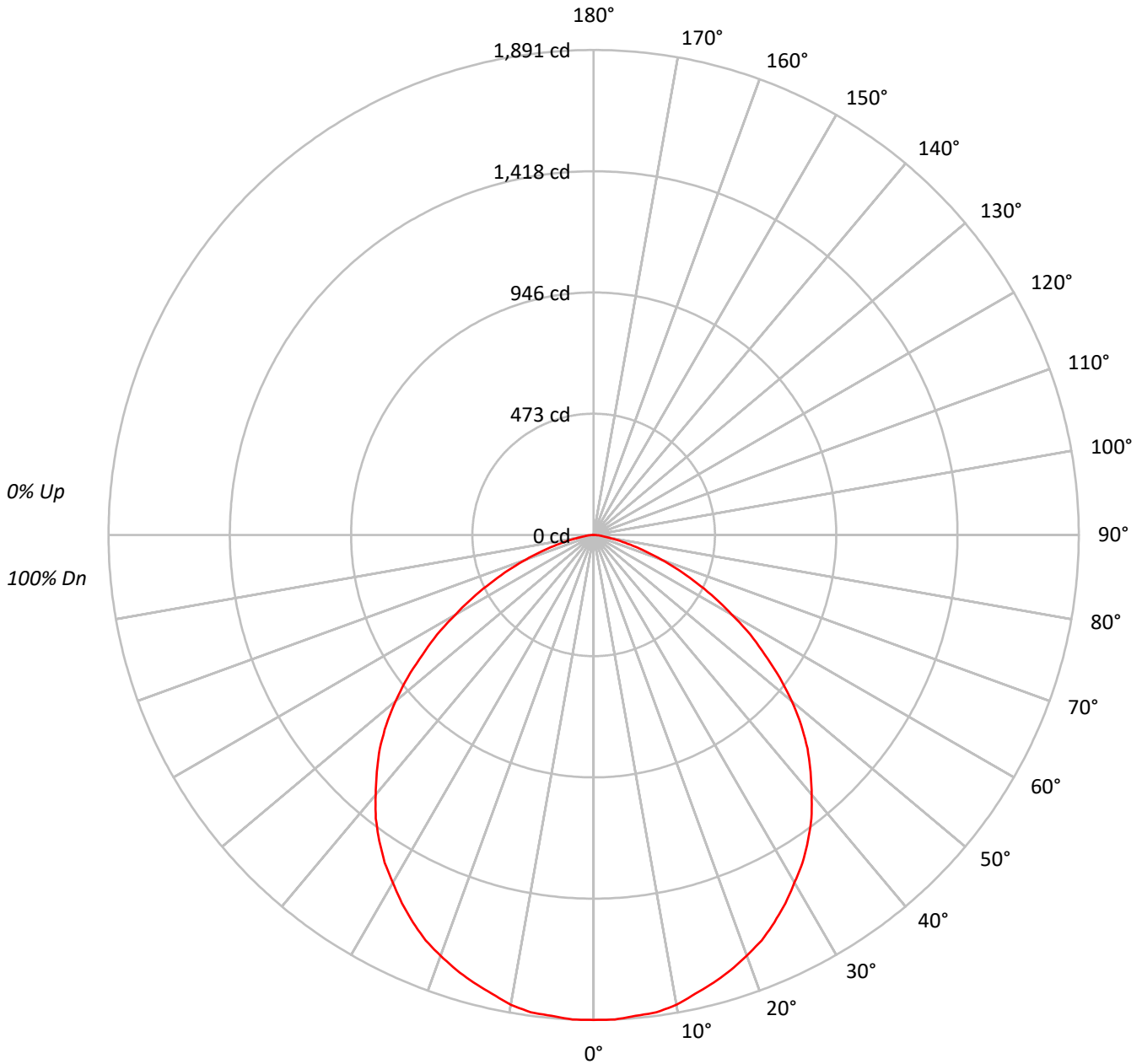
Lumens per Lamp: N/A
Luminaire Lumens: 4630.3 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	103687
5°	103604
10°	103555
15°	102566
20°	101824
25°	100814
30°	99098
35°	97473
40°	94584
45°	91382
50°	85925
55°	77780
60°	68273
65°	57503
70°	44992
75°	31517
80°	17647
85°	12265



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	3.9
10°-20°	510.1	11.0
20°-30°	767.4	16.6
30°-40°	909.5	19.6
40°-50°	905.1	19.5
50°-60°	729.5	15.8
60°-70°	441.3	9.5
70°-80°	163.9	3.5
80°-90°	24.3	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°	1456.7	31.5
0°-40°	2366.2	51.1
0°-60°	4000.8	86.4
0°-90°	4630.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4630.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1891	
5°	1883	179
15°	1807	510
25°	1667	767
35°	1456	910
45°	1179	905
55°	814	730
65°	443	441
75°	149	164
85°	20	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1891.4
2.5°	1891.4
5°	1882.7
7.5°	1877.3
10°	1860.3
12.5°	1832.1
15°	1807.2
17.5°	1779.0
20°	1745.4
22.5°	1711.5
25°	1666.7
27.5°	1619.0
30°	1565.5
32.5°	1515.4
35°	1456.5
37.5°	1394.7
40°	1321.7
42.5°	1251.3
45°	1178.7
47.5°	1097.0
50°	1007.5
52.5°	914.6
55°	813.8
57.5°	723.8
60°	622.7
62.5°	533.2
65°	443.3
67.5°	359.1
70°	280.7
72.5°	210.6
75°	148.8
77.5°	95.4
80°	55.9
82.5°	33.6
85°	19.5
87.5°	8.2
90°	0.0



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— 0°-180°







(END OF REPORT)