

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: P844456

Luminaire Tested: **LD6C40DE010B2750 EU6C40B30 6LBCSMW**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844456
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 EU6C40B30 6LBSCMW
Description:
Light Source: -
Ballast/Driver:

Summary

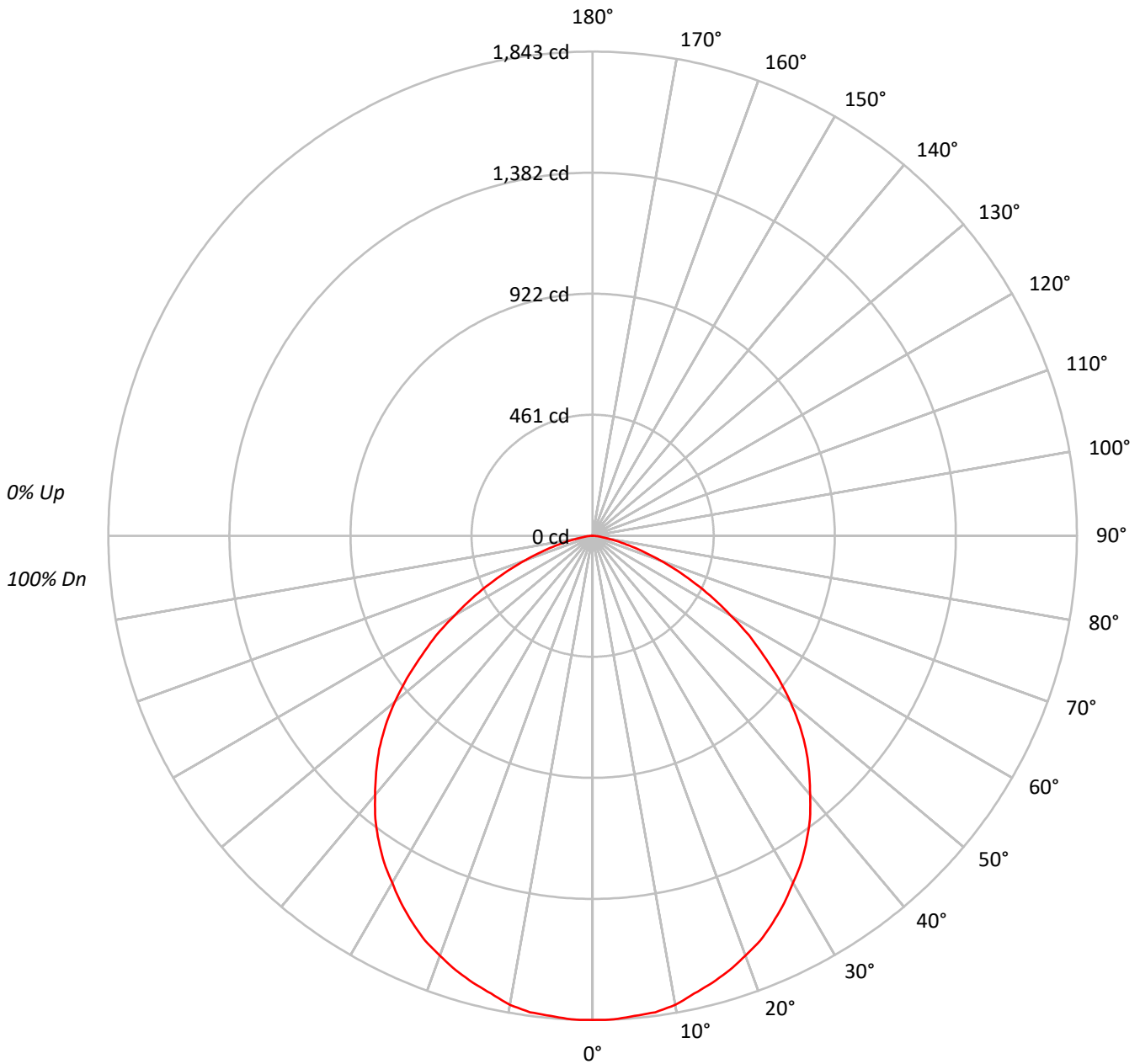
Lumens per Lamp: N/A
Luminaire Lumens: 4511.9 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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°	101034
5°	100952
10°	100906
15°	99944
20°	99222
25°	98231
30°	96559
35°	94977
40°	92166
45°	89048
50°	83724
55°	75792
60°	66530
65°	56011
70°	43838
75°	30712
80°	17237
85°	11951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	3.9
10°-20°	497.1	11.0
20°-30°	747.7	16.6
30°-40°	886.3	19.6
40°-50°	881.9	19.5
50°-60°	710.9	15.8
60°-70°	430.0	9.5
70°-80°	159.7	3.5
80°-90°	23.7	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°	1419.4	31.5
0°-40°	2305.7	51.1
0°-60°	3898.5	86.4
0°-90°	4511.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4511.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1843	
5°	1834	175
15°	1761	497
25°	1624	748
35°	1419	886
45°	1149	882
55°	793	711
65°	432	430
75°	145	160
85°	19	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1843.0
2.5°	1843.0
5°	1834.5
7.5°	1829.3
10°	1812.7
12.5°	1785.2
15°	1761.0
17.5°	1733.6
20°	1700.8
22.5°	1667.7
25°	1624.0
27.5°	1577.6
30°	1525.4
32.5°	1476.6
35°	1419.2
37.5°	1359.1
40°	1287.9
42.5°	1219.2
45°	1148.6
47.5°	1069.0
50°	981.7
52.5°	891.2
55°	793.0
57.5°	705.3
60°	606.8
62.5°	519.5
65°	431.8
67.5°	349.9
70°	273.5
72.5°	205.2
75°	145.0
77.5°	93.0
80°	54.6
82.5°	32.7
85°	19.0
87.5°	8.0
90°	0.0



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— 0°-180°







(END OF REPORT)