

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: P844453

Luminaire Tested: **LD6C40DE010B2750 EU6C40B27 6LBWLI**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C40DE010B2750 EU6C40B27 6LBWLI
Description:
Light Source: -
Ballast/Driver:

Summary

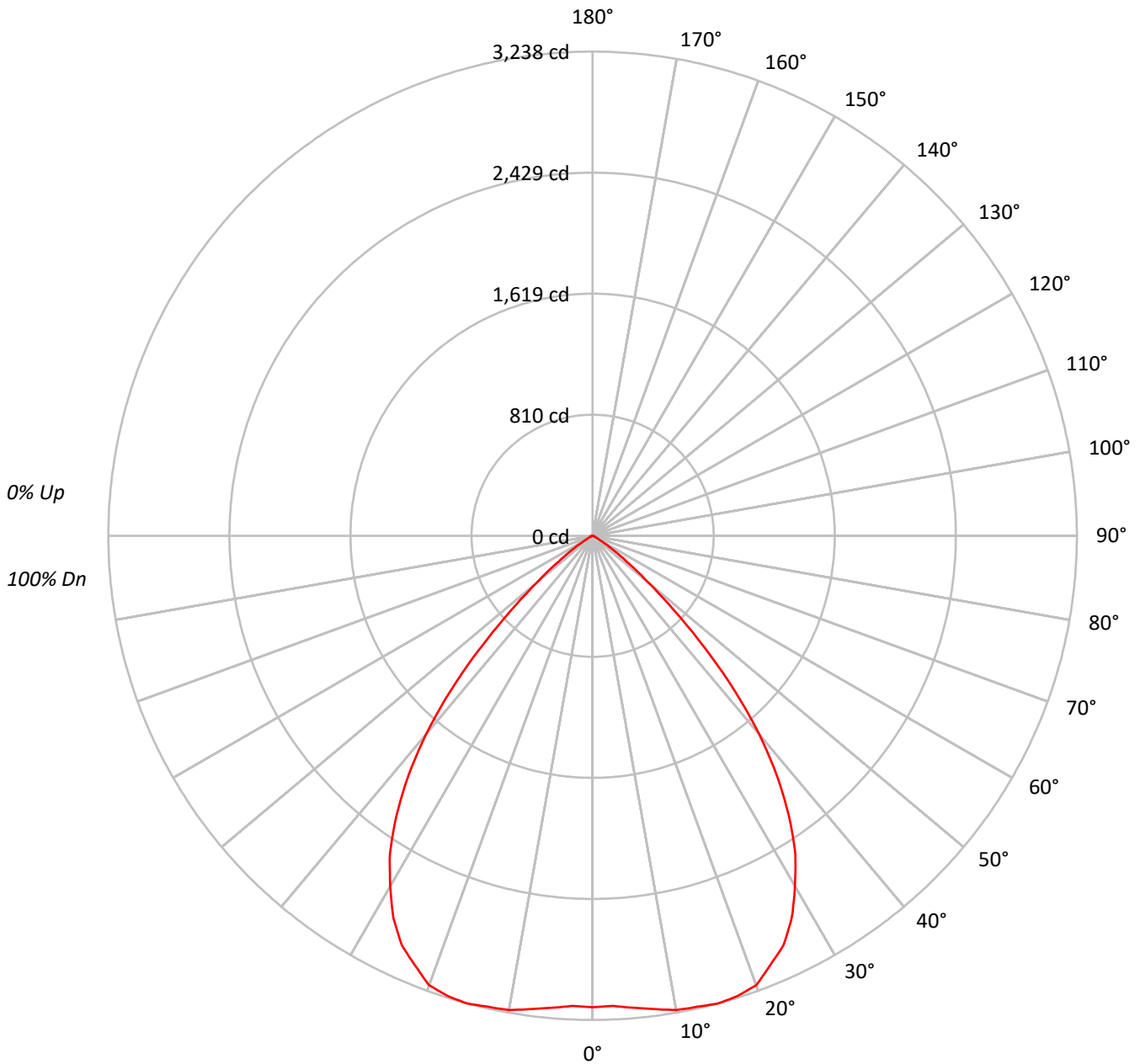
Lumens per Lamp: N/A
Luminaire Lumens: 5045.9 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92			
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83			
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76			
4	93	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69			
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63			
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57			
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52			
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48			
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	51	46	42	41			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	172815
5°	174411
10°	179289
15°	183781
20°	186572
25°	182714
30°	171305
35°	153153
40°	124054
45°	82063
50°	41474
55°	17500
60°	5636
65°	2205
70°	1843
75°	1207
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.1	6.0
10°-20°	914.0	18.1
20°-30°	1377.9	27.3
30°-40°	1410.3	27.9
40°-50°	821.6	16.3
50°-60°	188.8	3.7
60°-70°	23.1	0.5
70°-80°	6.0	0.1
80°-90°	0.0	0.0
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°	2596.0	51.4
0°-40°	4006.3	79.4
0°-60°	5016.7	99.4
0°-90°	5045.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5045.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3152	
5°	3169	304
15°	3238	914
25°	3021	1378
35°	2288	1410
45°	1058	822
55°	183	189
65°	17	23
75°	6	6
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3152.4
2.5°	3146.6
5°	3169.4
7.5°	3192.3
10°	3220.8
12.5°	3226.6
15°	3238.2
17.5°	3226.6
20°	3198.1
22.5°	3106.5
25°	3020.7
27.5°	2883.4
30°	2706.2
32.5°	2523.0
35°	2288.5
37.5°	2025.2
40°	1733.5
42.5°	1407.4
45°	1058.5
47.5°	737.9
50°	486.3
52.5°	309.0
55°	183.1
57.5°	97.3
60°	51.4
62.5°	28.6
65°	17.0
67.5°	17.0
70°	11.5
72.5°	5.7
75°	5.7
77.5°	5.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)