

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: P844452

Luminaire Tested: **LD6C40DE010B2750 EU6C40B27 6LBWH**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P844452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C40DE010B2750 EU6C40B27 6LBWH
Description:
Light Source: -
Ballast/Driver:

Summary

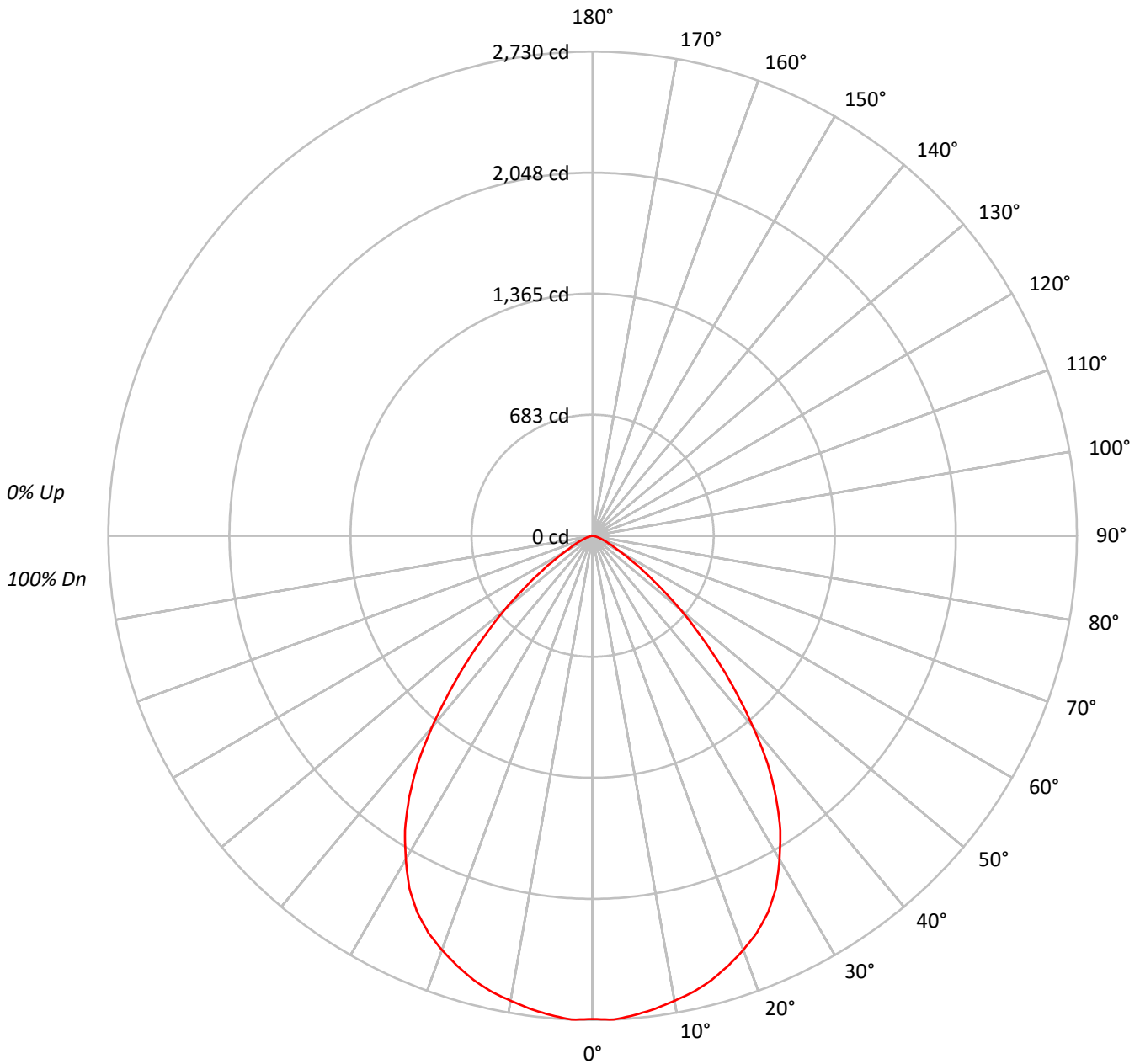
Lumens per Lamp: N/A
Luminaire Lumens: 4417.7 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	149369
5°	149317
10°	148166
15°	147175
20°	144936
25°	141619
30°	133350
35°	120682
40°	100767
45°	77217
50°	54685
55°	34484
60°	19450
65°	12621
70°	8239
75°	6058
80°	3631
85°	3585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.4	5.8
10°-20°	730.2	16.5
20°-30°	1070.7	24.2
30°-40°	1114.3	25.2
40°-50°	771.0	17.5
50°-60°	335.7	7.6
60°-70°	102.9	2.3
70°-80°	30.8	0.7
80°-90°	4.7	0.1
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°	2058.3	46.6
0°-40°	3172.6	71.8
0°-60°	4279.3	96.9
0°-90°	4417.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4417.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2725	
5°	2713	257
15°	2593	730
25°	2341	1071
35°	1803	1114
45°	996	771
55°	361	336
65°	97	103
75°	29	31
85°	6	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2724.7
2.5°	2730.5
5°	2713.4
7.5°	2690.5
10°	2661.7
12.5°	2633.1
15°	2593.2
17.5°	2541.6
20°	2484.4
22.5°	2421.3
25°	2341.3
27.5°	2238.3
30°	2106.6
32.5°	1969.1
35°	1803.3
37.5°	1620.1
40°	1408.1
42.5°	1196.4
45°	996.0
47.5°	807.1
50°	641.2
52.5°	486.6
55°	360.8
57.5°	257.6
60°	177.4
62.5°	131.7
65°	97.3
67.5°	74.5
70°	51.4
72.5°	40.1
75°	28.6
77.5°	17.0
80°	11.5
82.5°	5.7
85°	5.7
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)