

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: P844503

Luminaire Tested: **LD6C40DE010B2750 EU6C40B40 6LBWH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844503
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 EU6C40B40 6LBWH
Description:
Light Source: -
Ballast/Driver:

Summary

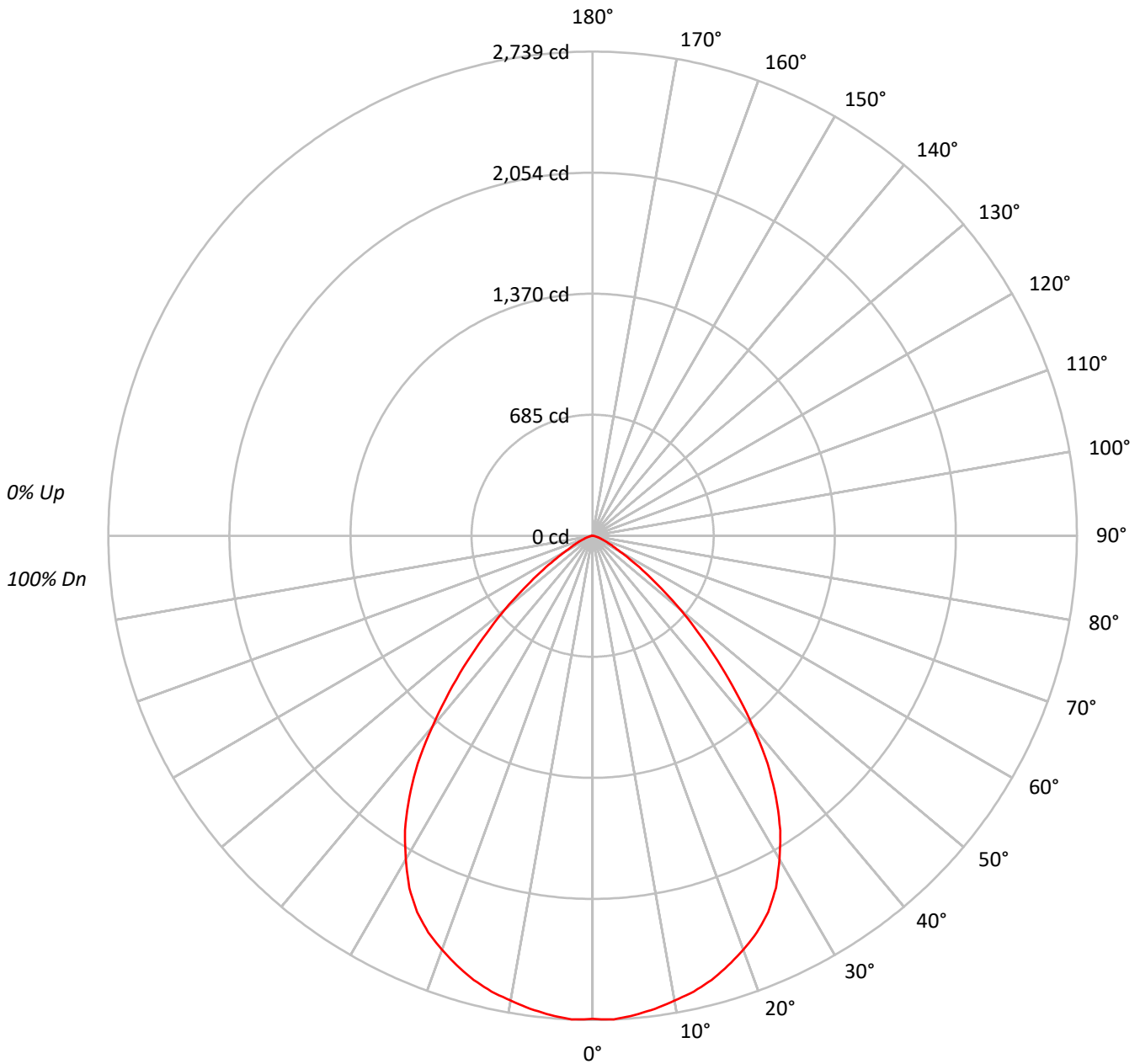
Lumens per Lamp: N/A
Luminaire Lumens: 4431.5 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	149829
5°	149779
10°	148628
15°	147634
20°	145385
25°	142061
30°	133755
35°	121057
40°	101082
45°	77450
50°	54847
55°	34579
60°	19505
65°	12660
70°	8271
75°	6079
80°	3631
85°	3648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.2	5.8
10°-20°	732.5	16.5
20°-30°	1074.0	24.2
30°-40°	1117.8	25.2
40°-50°	773.3	17.5
50°-60°	336.7	7.6
60°-70°	103.3	2.3
70°-80°	31.0	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°	2064.7	46.6
0°-40°	3182.5	71.8
0°-60°	4292.5	96.9
0°-90°	4431.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4431.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2733	
5°	2722	258
15°	2601	733
25°	2349	1074
35°	1809	1118
45°	999	773
55°	362	337
65°	98	103
75°	29	31
85°	6	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2733.1
2.5°	2739.0
5°	2721.8
7.5°	2698.9
10°	2670.0
12.5°	2641.3
15°	2601.3
17.5°	2549.4
20°	2492.1
22.5°	2429.0
25°	2348.6
27.5°	2245.3
30°	2113.0
32.5°	1975.2
35°	1808.9
37.5°	1625.2
40°	1412.5
42.5°	1200.1
45°	999.0
47.5°	809.6
50°	643.1
52.5°	488.2
55°	361.8
57.5°	258.5
60°	177.9
62.5°	132.1
65°	97.6
67.5°	74.8
70°	51.6
72.5°	40.3
75°	28.7
77.5°	17.1
80°	11.5
82.5°	5.8
85°	5.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)