

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: P844497

Luminaire Tested: **LD6C40DE010B40 EU6C40B40 6LBMLI**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C40DE010B40 EU6C40B40 6LBMLI
Description:
Light Source: -
Ballast/Driver:

Summary

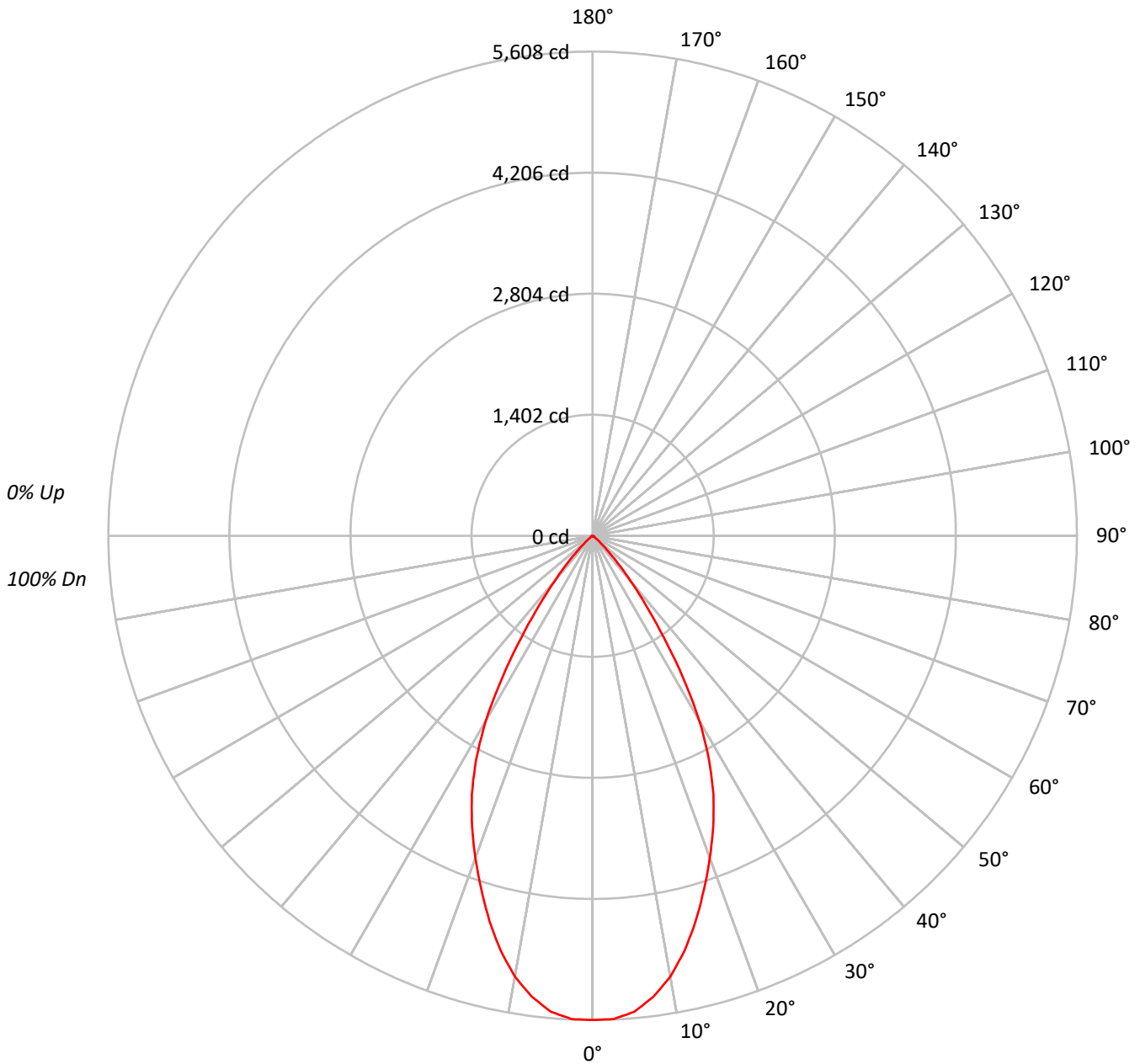
Lumens per Lamp: N/A
Luminaire Lumens: 4481.2 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82			
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	307432
5°	304506
10°	288550
15°	261971
20°	231493
25°	200135
30°	156442
35°	95934
40°	49242
45°	19568
50°	6354
55°	2198
60°	1875
65°	1492
70°	930
75°	1228
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.6	11.5
10°-20°	1286.2	28.7
20°-30°	1495.2	33.4
30°-40°	915.6	20.4
40°-50°	227.4	5.1
50°-60°	26.6	0.6
60°-70°	9.9	0.2
70°-80°	3.8	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°	3298.0	73.6
0°-40°	4213.5	94.0
0°-60°	4467.5	99.7
0°-90°	4481.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4481.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5608	
5°	5534	517
15°	4616	1286
25°	3309	1495
35°	1434	916
45°	252	227
55°	23	27
65°	12	10
75°	6	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5608.0
2.5°	5602.2
5°	5533.5
7.5°	5384.3
10°	5183.6
12.5°	4919.9
15°	4615.9
17.5°	4289.1
20°	3968.1
22.5°	3646.8
25°	3308.7
27.5°	2918.8
30°	2471.4
32.5°	1949.6
35°	1433.5
37.5°	1009.2
40°	688.1
42.5°	430.0
45°	252.4
47.5°	143.4
50°	74.5
52.5°	34.5
55°	23.0
57.5°	17.1
60°	17.1
62.5°	11.5
65°	11.5
67.5°	5.8
70°	5.8
72.5°	5.8
75°	5.8
77.5°	0.0
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)