

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: P844498

Luminaire Tested: **LD6C40DE010B40 EU6C40B40 6LBMMW**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C40DE010B40 EU6C40B40 6LBMMW
Description:
Light Source: -
Ballast/Driver:

Summary

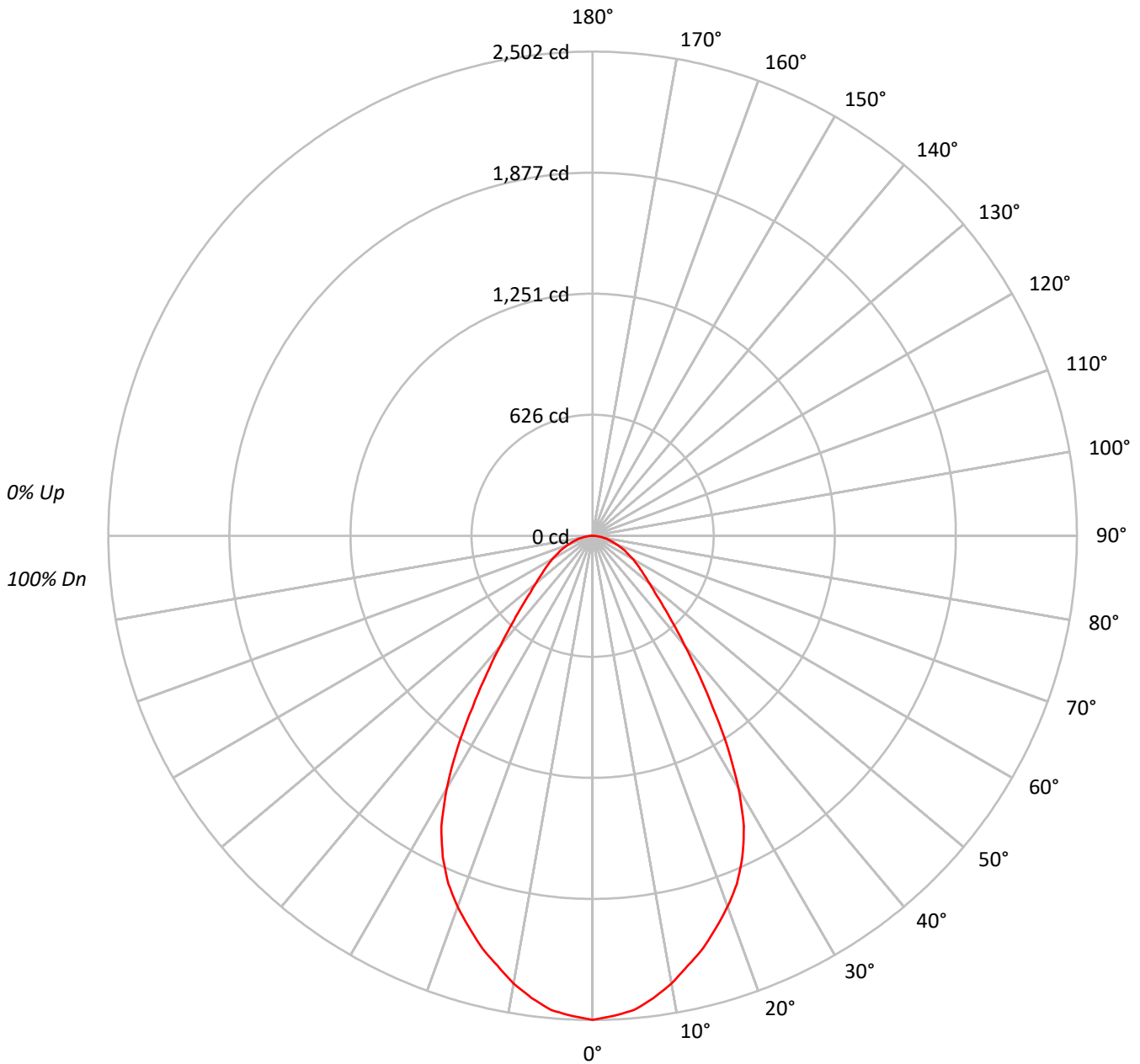
Lumens per Lamp: N/A
Luminaire Lumens: 3352.6 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48
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	48	43	53	47	43	52	47	43	51	46	43	41			41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	137138
5°	135378
10°	130765
15°	125188
20°	118970
25°	110764
30°	95420
35°	72417
40°	52942
45°	40151
50°	32732
55°	28730
60°	26358
65°	23997
70°	21478
75°	19571
80°	17521
85°	14530



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.1	6.9
10°-20°	619.0	18.5
20°-30°	831.1	24.8
30°-40°	681.8	20.3
40°-50°	409.4	12.2
50°-60°	272.1	8.1
60°-70°	182.4	5.4
70°-80°	98.1	2.9
80°-90°	27.7	0.8
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°	1681.3	50.1
0°-40°	2363.0	70.5
0°-60°	3044.5	90.8
0°-90°	3352.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3352.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2502	
5°	2460	231
15°	2206	619
25°	1831	831
35°	1082	682
45°	518	409
55°	301	272
65°	185	182
75°	92	98
85°	23	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2501.6
2.5°	2483.1
5°	2460.1
7.5°	2409.2
10°	2349.1
12.5°	2275.1
15°	2205.8
17.5°	2122.5
20°	2039.3
22.5°	1946.8
25°	1831.2
27.5°	1692.4
30°	1507.4
32.5°	1299.3
35°	1082.1
37.5°	897.1
40°	739.8
42.5°	615.0
45°	517.9
47.5°	439.2
50°	383.8
52.5°	337.6
55°	300.6
57.5°	268.2
60°	240.4
62.5°	208.1
65°	185.0
67.5°	157.3
70°	134.0
72.5°	110.9
75°	92.4
77.5°	73.9
80°	55.5
82.5°	41.6
85°	23.1
87.5°	9.3
90°	0.0



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— 0°-180°







(END OF REPORT)