

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: P844499

Luminaire Tested: **LD6C40DE010B40 EU6C40B40 6LBNH**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P844499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C40DE010B40 EU6C40B40 6LBNH
Description:
Light Source: -
Ballast/Driver:

Summary

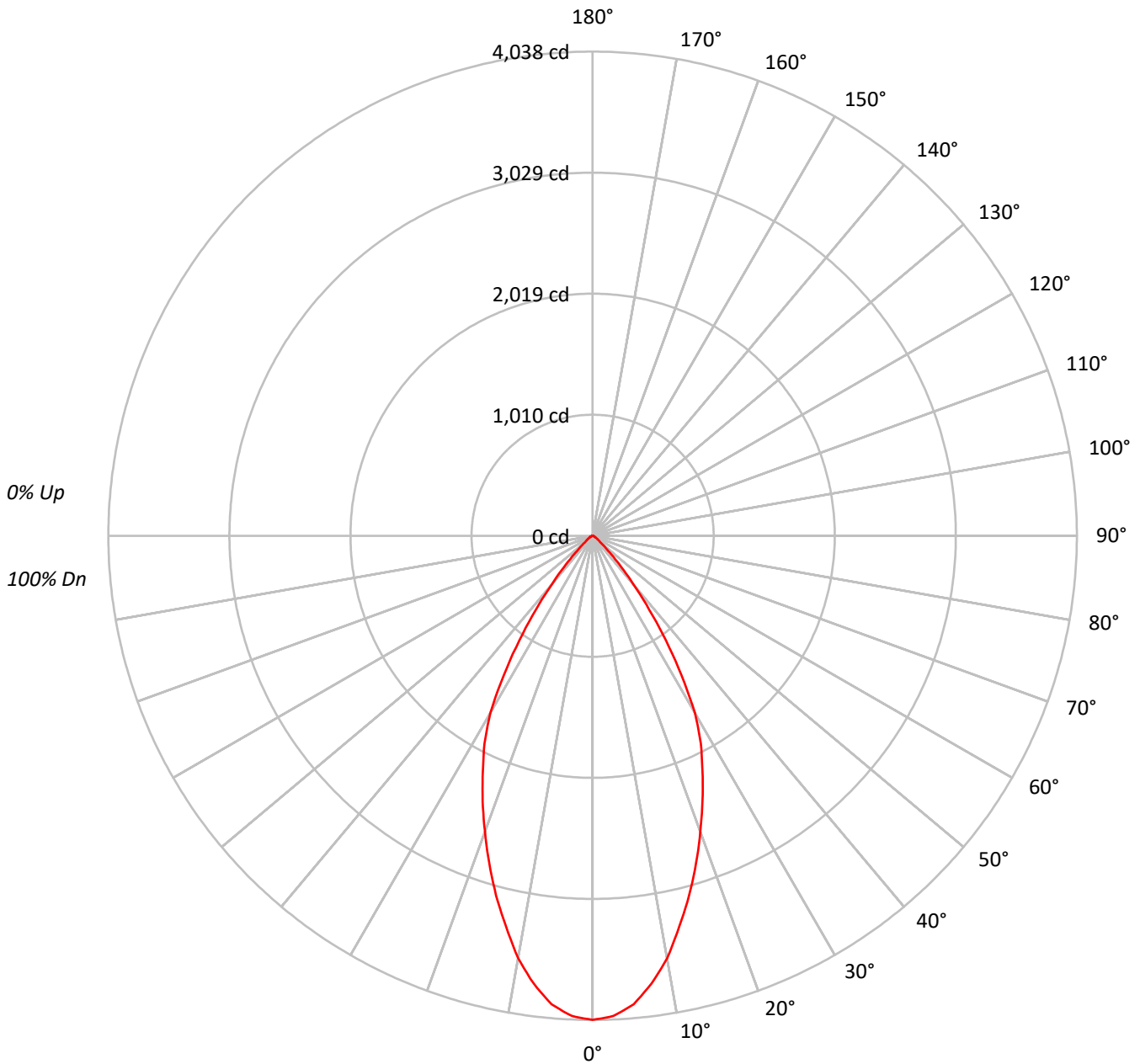
Lumens per Lamp: N/A
Luminaire Lumens: 3149.6 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	221336
5°	215859
10°	199178
15°	176340
20°	153109
25°	130961
30°	107966
35°	71106
40°	38222
45°	16924
50°	6865
55°	4951
60°	3147
65°	2244
70°	1843
75°	1228
80°	1831
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.1	11.5
10°-20°	865.8	27.5
20°-30°	991.9	31.5
30°-40°	666.4	21.2
40°-50°	190.4	6.0
50°-60°	46.6	1.5
60°-70°	17.7	0.6
70°-80°	6.9	0.2
80°-90°	0.8	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°	2220.8	70.5
0°-40°	2887.2	91.7
0°-60°	3124.2	99.2
0°-90°	3149.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3149.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4038	
5°	3923	363
15°	3107	866
25°	2165	992
35°	1062	666
45°	218	190
55°	52	47
65°	17	18
75°	6	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4037.5
2.5°	4008.9
5°	3922.6
7.5°	3767.5
10°	3578.1
12.5°	3336.7
15°	3107.1
17.5°	2866.0
20°	2624.5
22.5°	2394.9
25°	2165.1
27.5°	1952.6
30°	1705.6
32.5°	1378.3
35°	1062.5
37.5°	775.2
40°	534.1
42.5°	350.3
45°	218.3
47.5°	132.0
50°	80.5
52.5°	63.1
55°	51.8
57.5°	40.2
60°	28.7
62.5°	23.0
65°	17.3
67.5°	11.5
70°	11.5
72.5°	5.8
75°	5.8
77.5°	5.8
80°	5.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)