

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: P684249

Luminaire Tested: **LX6C40D010 EX6C409027 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684249
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C40D010 EX6C409027 6LBMDH
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

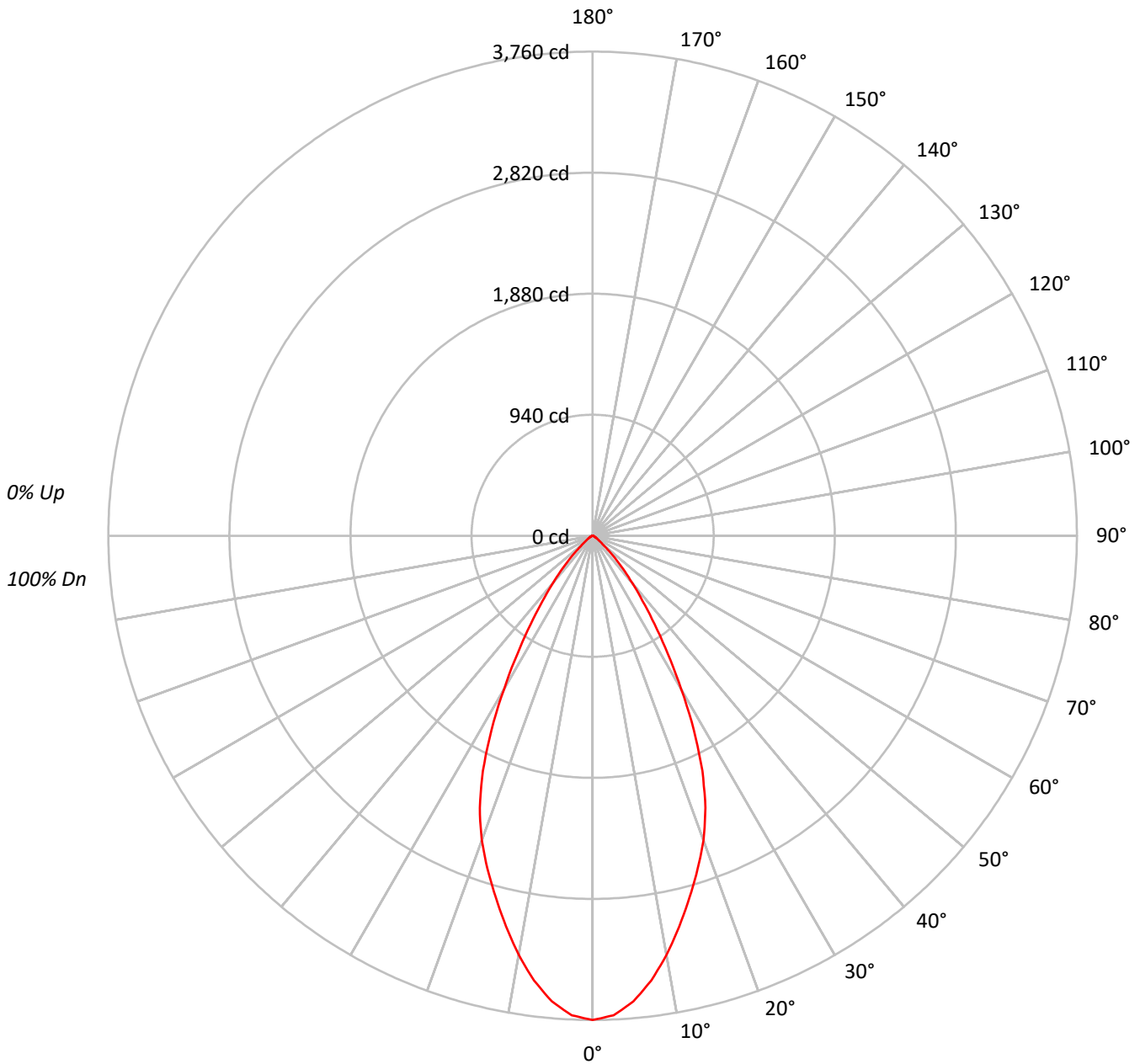
Lumens per Lamp: N/A
Luminaire Lumens: 2860.9 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47
Input Voltage (V):
Input Current (A_{in}): 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									
RC	80									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	105	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	80	86	82	79	84	81	78	83	79	77	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58																			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																			
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	206146
5°	199763
10°	183948
15°	164990
20°	146803
25°	121906
30°	87096
35°	55988
40°	34114
45°	18963
50°	8401
55°	4865
60°	3201
65°	2270
70°	1603
75°	1228
80°	789
85°	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.0	11.7
10°-20°	813.3	28.4
20°-30°	904.5	31.6
30°-40°	536.0	18.7
40°-50°	196.3	6.9
50°-60°	49.3	1.7
60°-70°	18.0	0.6
70°-80°	6.3	0.2
80°-90°	1.2	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°	2053.9	71.8
0°-40°	2589.8	90.5
0°-60°	2835.5	99.1
0°-90°	2860.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2860.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3760	
5°	3630	336
15°	2907	813
25°	2015	905
35°	837	536
45°	245	196
55°	51	49
65°	18	18
75°	6	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3760.4
2.5°	3727.0
5°	3630.1
7.5°	3483.2
10°	3304.5
12.5°	3107.5
15°	2907.1
17.5°	2712.6
20°	2516.4
22.5°	2288.5
25°	2015.4
27.5°	1701.5
30°	1375.9
32.5°	1084.5
35°	836.6
37.5°	635.4
40°	476.7
42.5°	347.3
45°	244.6
47.5°	155.3
50°	98.5
52.5°	69.3
55°	50.9
57.5°	38.4
60°	29.2
62.5°	22.5
65°	17.5
67.5°	13.4
70°	10.0
72.5°	7.5
75°	5.8
77.5°	4.2
80°	2.5
82.5°	1.7
85°	0.8
87.5°	0.8
90°	0.0



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— 0°-180°







(END OF REPORT)