

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: P684604

Luminaire Tested: **LX6C08D010 EX6C089027 6LBWH**

Issue Date: 2/15/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P684604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C08D010 EX6C089027 6LBWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

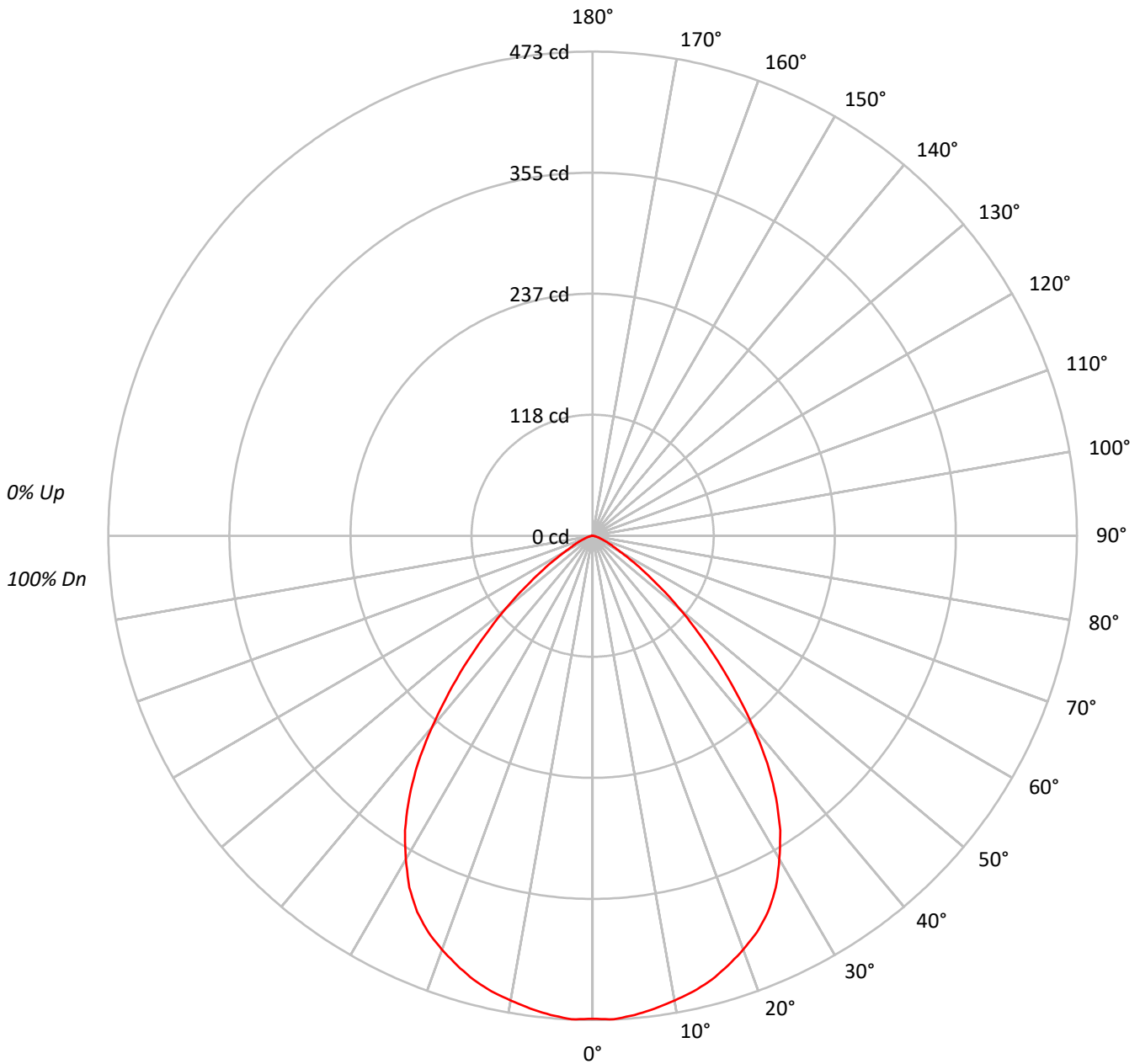
Lumens per Lamp: N/A
Luminaire Lumens: 765.0 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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	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°	25864
5°	25858
10°	25656
15°	25488
20°	25097
25°	24522
30°	23092
35°	20900
40°	17447
45°	13373
50°	9467
55°	5974
60°	3366
65°	2192
70°	1427
75°	1059
80°	631
85°	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	5.8
10°-20°	126.5	16.5
20°-30°	185.4	24.2
30°-40°	193.0	25.2
40°-50°	133.5	17.5
50°-60°	58.1	7.6
60°-70°	17.8	2.3
70°-80°	5.4	0.7
80°-90°	0.8	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°	356.4	46.6
0°-40°	549.4	71.8
0°-60°	741.0	96.9
0°-90°	765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	765.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	472	
5°	470	45
15°	449	126
25°	405	185
35°	312	193
45°	172	134
55°	62	58
65°	17	18
75°	5	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	471.8
2.5°	472.8
5°	469.9
7.5°	465.9
10°	460.9
12.5°	456.0
15°	449.1
17.5°	440.1
20°	430.2
22.5°	419.3
25°	405.4
27.5°	387.6
30°	364.8
32.5°	341.0
35°	312.3
37.5°	280.5
40°	243.8
42.5°	207.2
45°	172.5
47.5°	139.8
50°	111.0
52.5°	84.3
55°	62.5
57.5°	44.6
60°	30.7
62.5°	22.8
65°	16.9
67.5°	12.9
70°	8.9
72.5°	6.9
75°	5.0
77.5°	3.0
80°	2.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)