

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: P685087

Luminaire Tested: **LX6C55D010 EX6559027 6LBMLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C55D010 EX6559027 6LBMLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

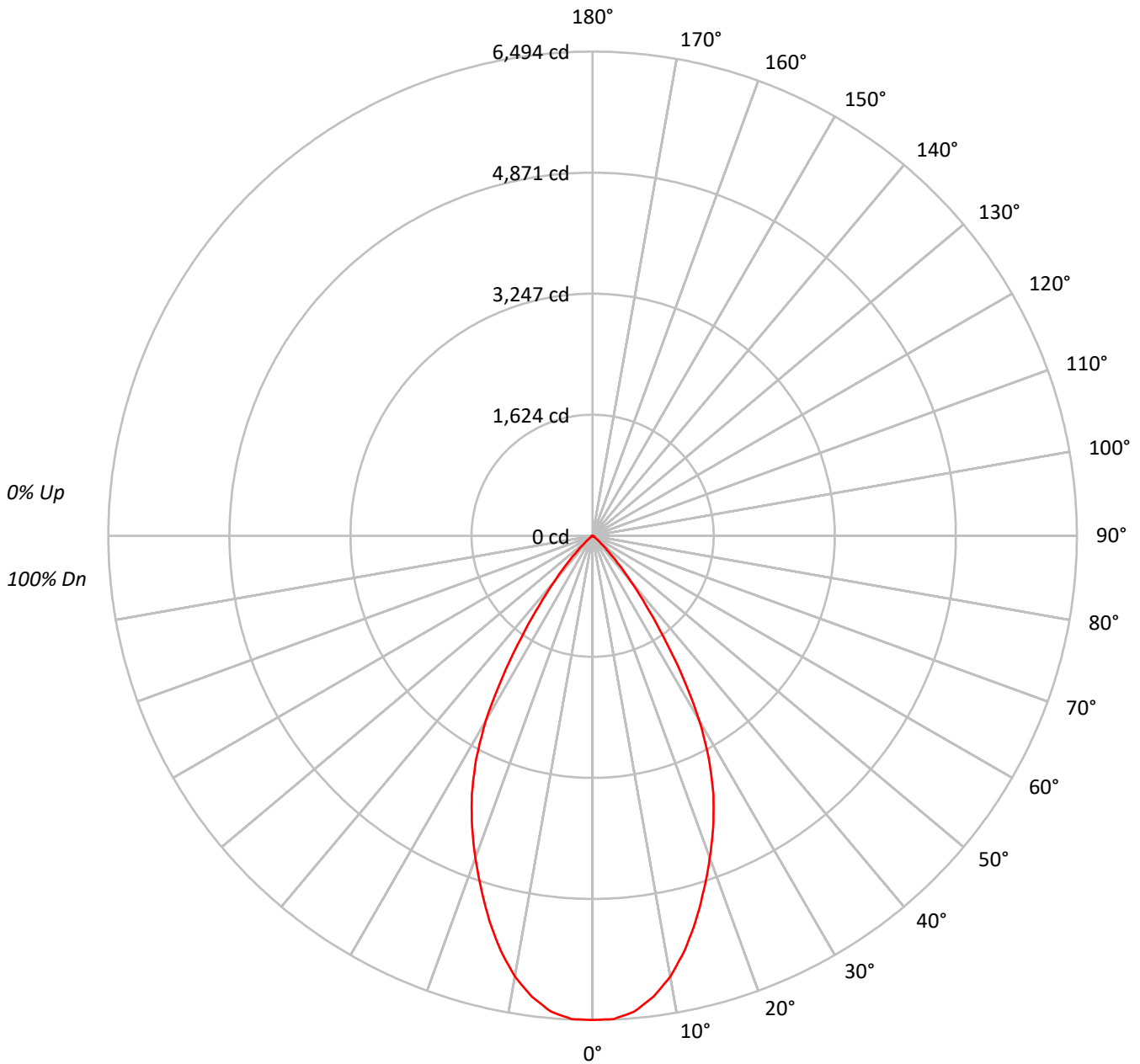
Lumens per Lamp: N/A
Luminaire Lumens: 5189.0 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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				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°	355991
5°	352602
10°	334123
15°	303356
20°	268059
25°	231745
30°	181154
35°	111092
40°	57021
45°	22654
50°	7352
55°	2533
60°	2171
65°	1738
70°	1074
75°	1419
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.2	11.5
10°-20°	1489.4	28.7
20°-30°	1731.3	33.4
30°-40°	1060.2	20.4
40°-50°	263.3	5.1
50°-60°	30.7	0.6
60°-70°	11.5	0.2
70°-80°	4.4	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°	3818.9	73.6
0°-40°	4879.1	94.0
0°-60°	5173.1	99.7
0°-90°	5189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5189.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6494	
5°	6408	598
15°	5345	1489
25°	3831	1731
35°	1660	1060
45°	292	263
55°	26	31
65°	13	12
75°	7	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6493.8
2.5°	6487.1
5°	6407.5
7.5°	6234.8
10°	6002.3
12.5°	5697.0
15°	5345.1
17.5°	4966.6
20°	4594.9
22.5°	4222.9
25°	3831.3
27.5°	3379.7
30°	2861.8
32.5°	2257.5
35°	1660.0
37.5°	1168.5
40°	796.8
42.5°	497.9
45°	292.2
47.5°	166.0
50°	86.2
52.5°	39.9
55°	26.5
57.5°	19.8
60°	19.8
62.5°	13.4
65°	13.4
67.5°	6.7
70°	6.7
72.5°	6.7
75°	6.7
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)