

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: P684407

Luminaire Tested: **LX6C55D010 EX6C559027 6LBNH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C55D010 EX6C559027 6LBNH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBN TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

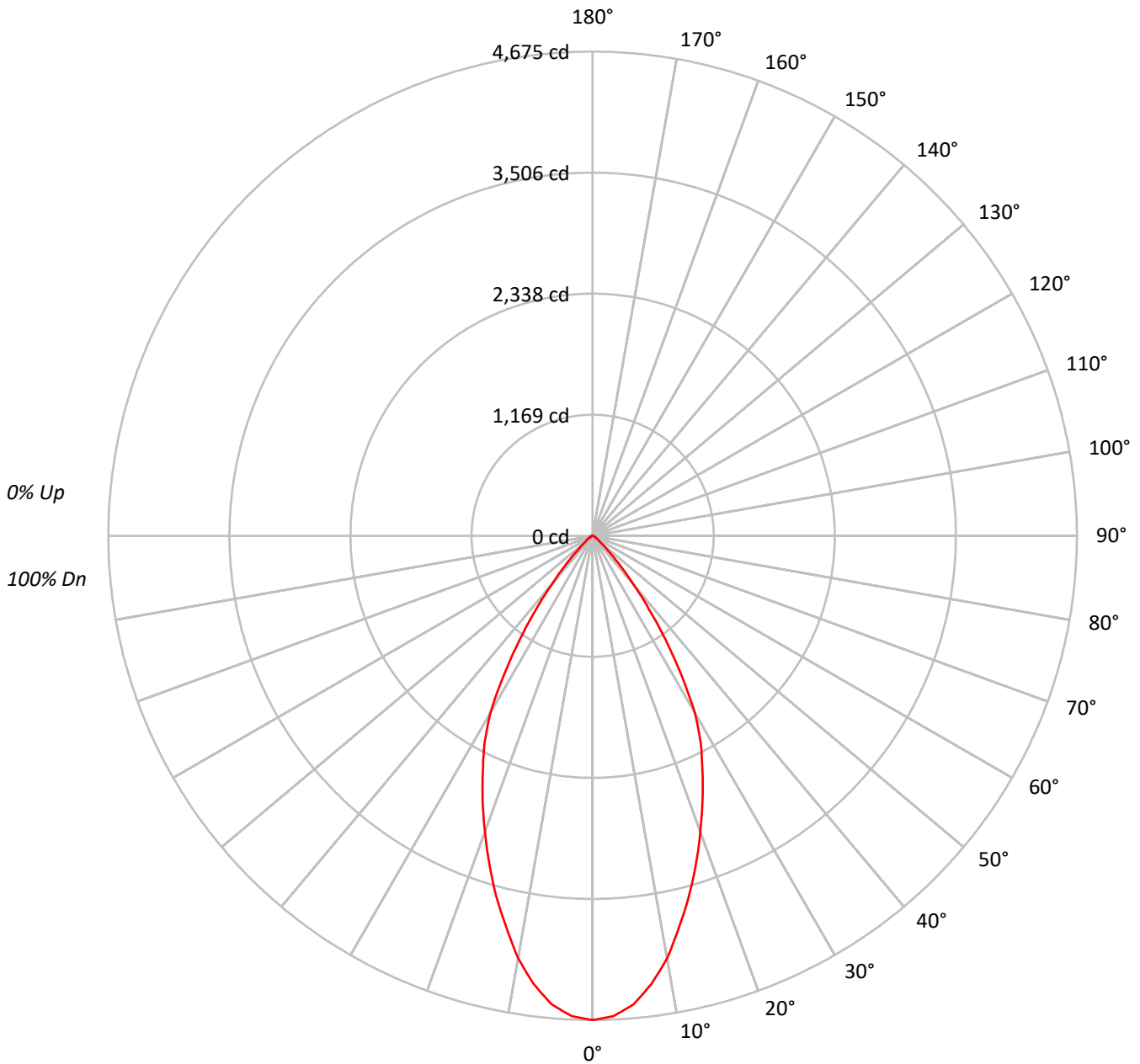
Lumens per Lamp: N/A
Luminaire Lumens: 3647.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	256290
5°	249944
10°	230629
15°	204184
20°	177290
25°	151642
30°	125019
35°	82329
40°	44261
45°	19591
50°	7949
55°	5735
60°	3640
65°	2607
70°	2148
75°	1419
80°	2115
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.4	11.5
10°-20°	1002.6	27.5
20°-30°	1148.5	31.5
30°-40°	771.7	21.2
40°-50°	220.5	6.0
50°-60°	54.0	1.5
60°-70°	20.5	0.6
70°-80°	8.0	0.2
80°-90°	0.9	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°	2571.5	70.5
0°-40°	3343.2	91.7
0°-60°	3617.6	99.2
0°-90°	3647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3647.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4675	
5°	4542	420
15°	3598	1003
25°	2507	1149
35°	1230	772
45°	253	220
55°	60	54
65°	20	21
75°	7	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4675.1
2.5°	4641.9
5°	4542.0
7.5°	4362.4
10°	4143.1
12.5°	3863.6
15°	3597.7
17.5°	3318.5
20°	3039.0
22.5°	2773.1
25°	2507.0
27.5°	2261.0
30°	1975.0
32.5°	1595.9
35°	1230.2
37.5°	897.7
40°	618.5
42.5°	405.6
45°	252.7
47.5°	152.9
50°	93.2
52.5°	73.1
55°	60.0
57.5°	46.6
60°	33.2
62.5°	26.5
65°	20.1
67.5°	13.4
70°	13.4
72.5°	6.7
75°	6.7
77.5°	6.7
80°	6.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)