

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: P563970

Luminaire Tested: **LX6C55D010 EX6C559030 6LBMH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P563970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C55D010 EX6C559030 6LBMH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBM TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

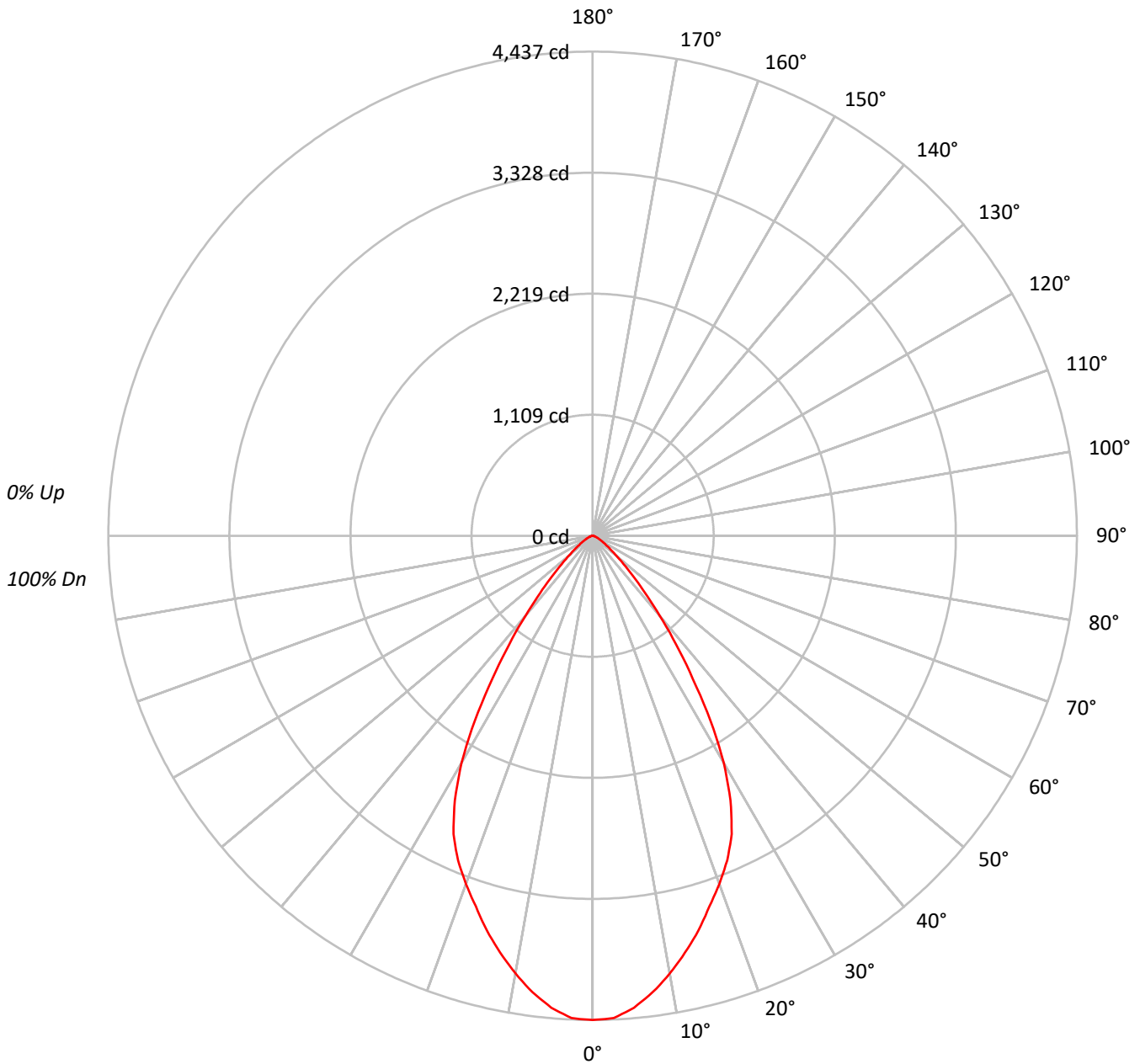
Lumens per Lamp: N/A
Luminaire Lumens: 4483.8 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	243259
5°	238905
10°	226699
15°	212584
20°	197983
25°	182418
30°	151998
35°	107130
40°	68271
45°	40717
50°	24033
55°	15292
60°	10525
65°	7472
70°	5145
75°	4067
80°	1989
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.7	9.0
10°-20°	1049.6	23.4
20°-30°	1360.0	30.3
30°-40°	1009.7	22.5
40°-50°	426.3	9.5
50°-60°	151.3	3.4
60°-70°	58.4	1.3
70°-80°	20.2	0.5
80°-90°	2.6	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°	2815.3	62.8
0°-40°	3825.0	85.3
0°-60°	4402.6	98.2
0°-90°	4483.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4483.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4437	
5°	4341	406
15°	3746	1050
25°	3016	1360
35°	1601	1010
45°	525	426
55°	160	151
65°	58	58
75°	19	20
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4437.4
2.5°	4424.5
5°	4341.4
7.5°	4219.5
10°	4072.5
12.5°	3912.3
15°	3745.7
17.5°	3560.2
20°	3393.7
22.5°	3220.8
25°	3015.8
27.5°	2734.0
30°	2401.2
32.5°	2010.5
35°	1600.8
37.5°	1255.0
40°	954.0
42.5°	710.7
45°	525.2
47.5°	384.2
50°	281.8
52.5°	211.3
55°	160.0
57.5°	121.6
60°	96.0
62.5°	70.5
65°	57.6
67.5°	44.8
70°	32.1
72.5°	25.5
75°	19.2
77.5°	12.9
80°	6.3
82.5°	6.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)