

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: P563973

Luminaire Tested: **LX6C55D010 EX6C559030 6LBWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P563973
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: LX6C55D010 EX6C559030 6LBWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

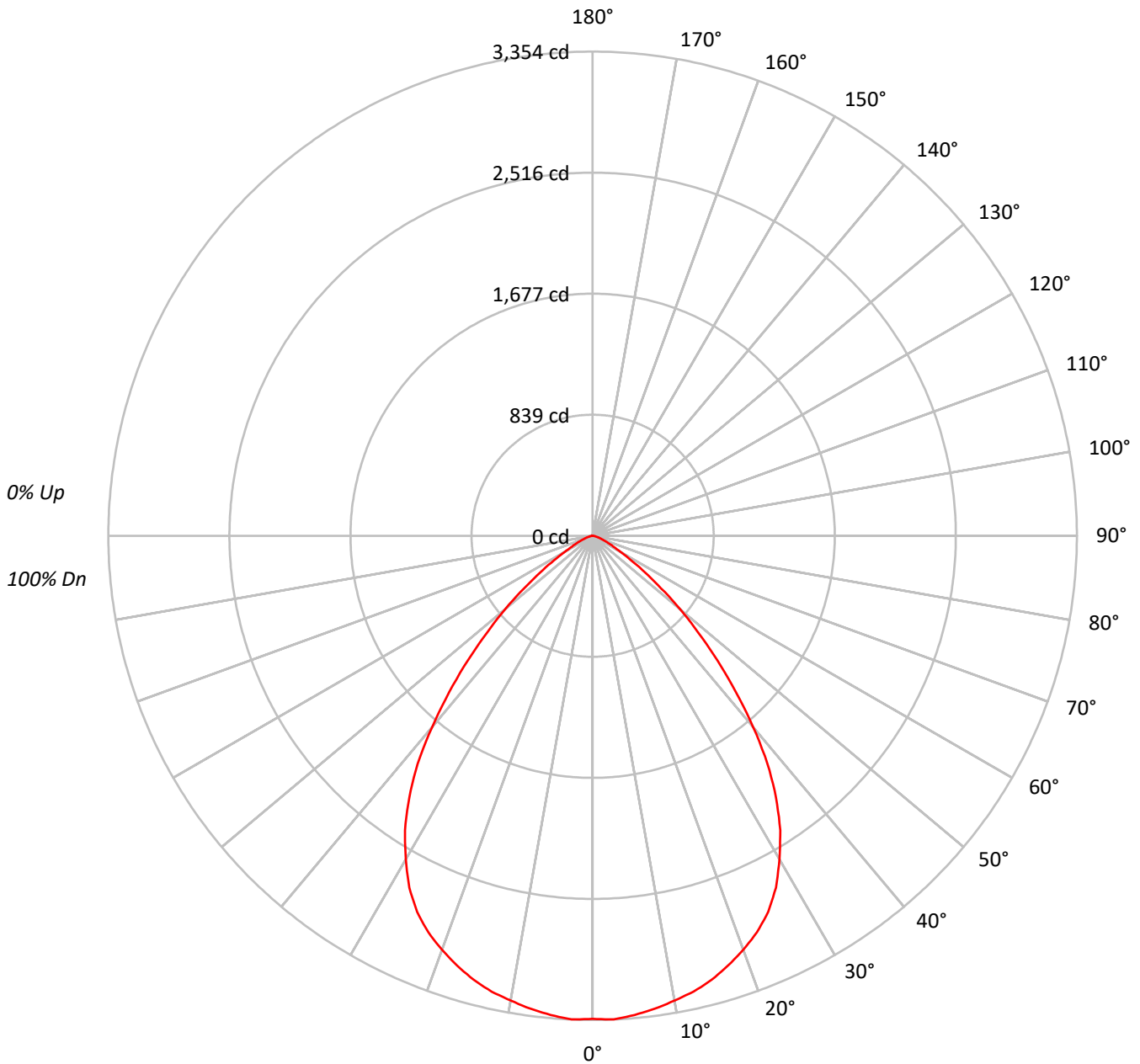
Lumens per Lamp: N/A
Luminaire Lumens: 5425.7 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	183450
5°	183392
10°	181977
15°	180762
20°	178002
25°	173931
30°	163772
35°	148208
40°	123760
45°	94832
50°	67162
55°	42340
60°	23891
65°	15501
70°	10130
75°	7434
80°	4451
85°	4466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.1	5.8
10°-20°	896.9	16.5
20°-30°	1315.0	24.2
30°-40°	1368.6	25.2
40°-50°	946.8	17.5
50°-60°	412.3	7.6
60°-70°	126.4	2.3
70°-80°	37.9	0.7
80°-90°	5.8	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°	2527.9	46.6
0°-40°	3896.5	71.8
0°-60°	5255.6	96.9
0°-90°	5425.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5425.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3346	
5°	3333	316
15°	3185	897
25°	2876	1315
35°	2215	1369
45°	1223	947
55°	443	412
65°	120	126
75°	35	38
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3346.4
2.5°	3353.5
5°	3332.6
7.5°	3304.5
10°	3269.1
12.5°	3234.0
15°	3185.0
17.5°	3121.5
20°	3051.2
22.5°	2973.9
25°	2875.5
27.5°	2749.0
30°	2587.2
32.5°	2418.4
35°	2214.6
37.5°	1989.7
40°	1729.4
42.5°	1469.3
45°	1223.2
47.5°	991.2
50°	787.5
52.5°	597.7
55°	443.0
57.5°	316.5
60°	217.9
62.5°	161.7
65°	119.5
67.5°	91.4
70°	63.2
72.5°	49.2
75°	35.1
77.5°	21.0
80°	14.1
82.5°	7.1
85°	7.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)