

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: P684429

Luminaire Tested: **LX6C55D010 EX6C559040 6LBSH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204188)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C55D010 EX6C559040 6LBSH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

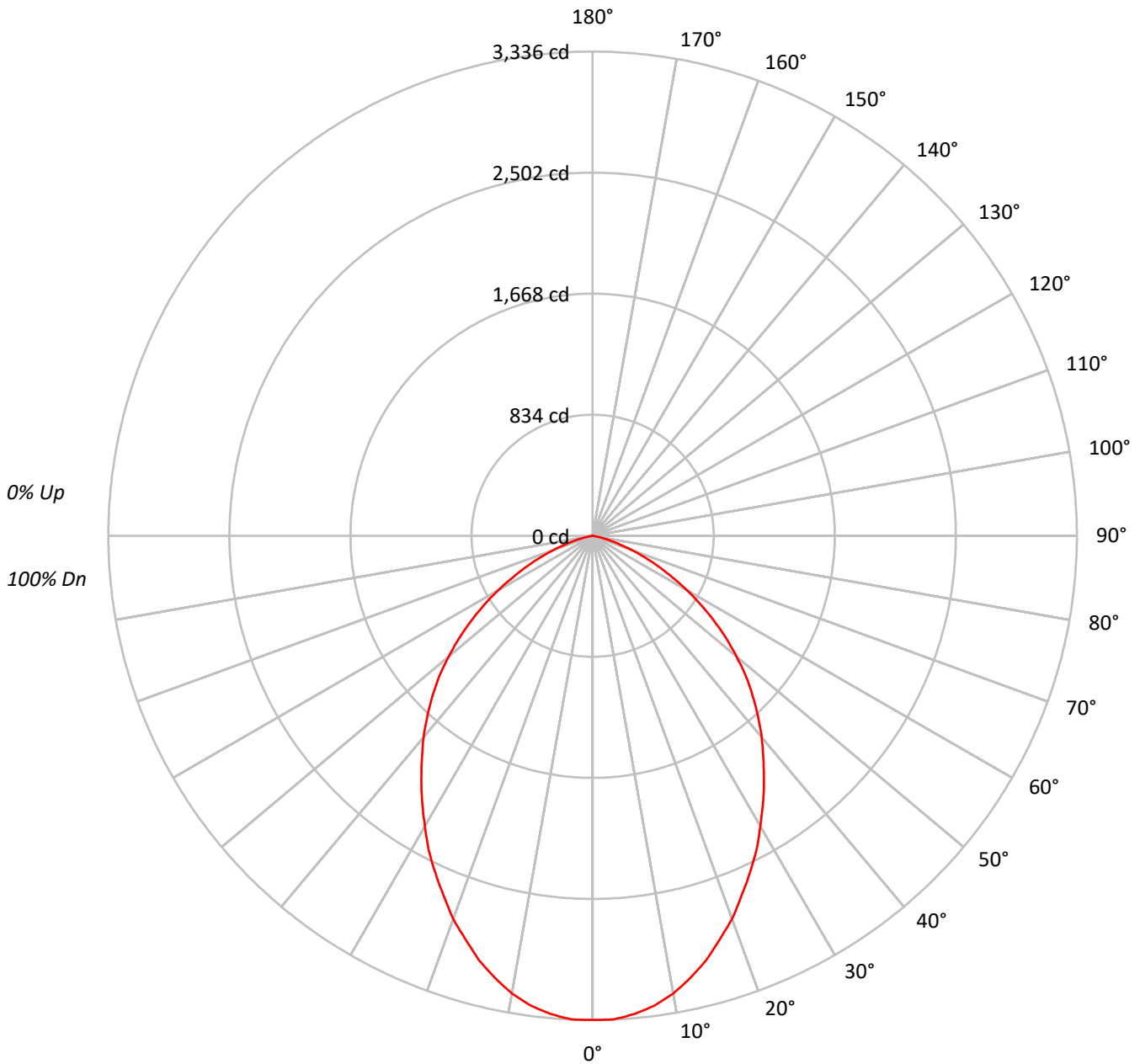
Lumens per Lamp: N/A
Luminaire Lumens: 6378.0 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	182864
5°	182010
10°	178253
15°	171772
20°	163873
25°	155041
30°	146244
35°	137701
40°	129657
45°	120865
50°	110205
55°	97325
60°	82384
65°	64689
70°	46146
75°	25290
80°	4451
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.4	4.9
10°-20°	849.2	13.3
20°-30°	1179.4	18.5
30°-40°	1287.0	20.2
40°-50°	1200.6	18.8
50°-60°	911.3	14.3
60°-70°	499.0	7.8
70°-80°	137.3	2.2
80°-90°	1.9	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°	2341.0	36.7
0°-40°	3628.0	56.9
0°-60°	5739.8	90.0
0°-90°	6378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6378.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3336	
5°	3308	312
15°	3027	849
25°	2563	1179
35°	2058	1287
45°	1559	1201
55°	1018	911
65°	499	499
75°	119	137
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3335.7
2.5°	3335.7
5°	3307.5
7.5°	3265.4
10°	3202.2
12.5°	3117.9
15°	3026.6
17.5°	2914.3
20°	2809.0
22.5°	2682.6
25°	2563.2
27.5°	2443.8
30°	2310.3
32.5°	2183.9
35°	2057.6
37.5°	1931.2
40°	1811.8
42.5°	1685.4
45°	1559.0
47.5°	1432.5
50°	1292.2
52.5°	1158.7
55°	1018.3
57.5°	884.8
60°	751.4
62.5°	618.0
65°	498.7
67.5°	386.2
70°	287.9
72.5°	196.6
75°	119.4
77.5°	56.2
80°	14.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)