

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: P684441

Luminaire Tested: **LX6C55D010 EX6C559730 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684441
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 EX6C559730 6LBSH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 97CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

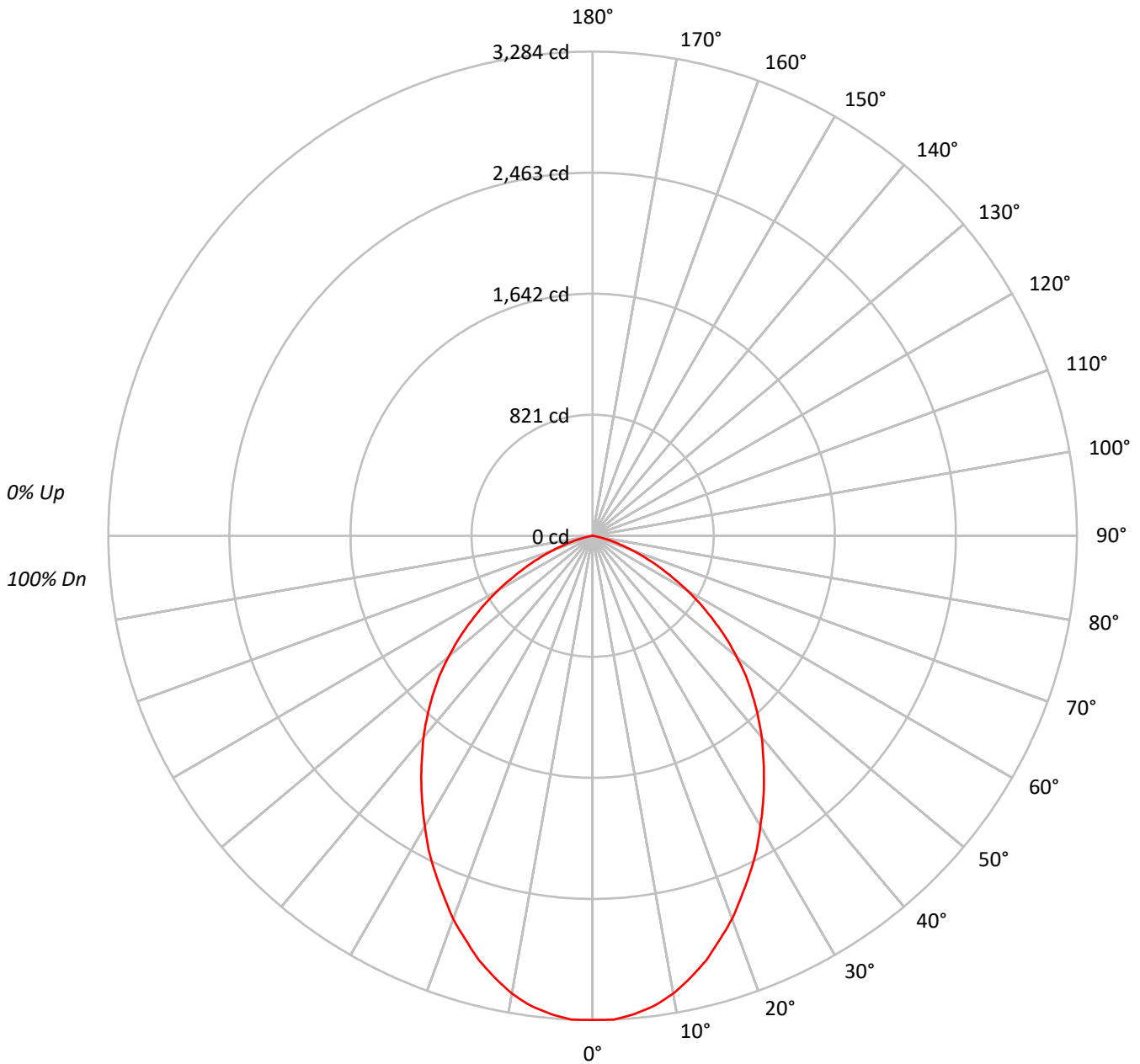
Lumens per Lamp: N/A
Luminaire Lumens: 6279.9 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	180051
5°	179215
10°	175514
15°	169133
20°	161352
25°	152658
30°	143997
35°	135586
40°	127668
45°	119005
50°	108508
55°	95834
60°	81112
65°	63690
70°	45440
75°	24888
80°	4388
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.6	4.9
10°-20°	836.2	13.3
20°-30°	1161.2	18.5
30°-40°	1267.2	20.2
40°-50°	1182.1	18.8
50°-60°	897.2	14.3
60°-70°	491.3	7.8
70°-80°	135.2	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°	2305.0	36.7
0°-40°	3572.2	56.9
0°-60°	5651.6	90.0
0°-90°	6279.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6279.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3284	
5°	3257	308
15°	2980	836
25°	2524	1161
35°	2026	1267
45°	1535	1182
55°	1003	897
65°	491	491
75°	118	135
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3284.4
2.5°	3284.4
5°	3256.7
7.5°	3215.2
10°	3153.0
12.5°	3070.0
15°	2980.1
17.5°	2869.5
20°	2765.8
22.5°	2641.3
25°	2523.8
27.5°	2406.3
30°	2274.8
32.5°	2150.3
35°	2026.0
37.5°	1901.5
40°	1784.0
42.5°	1659.5
45°	1535.0
47.5°	1410.5
50°	1272.3
52.5°	1140.9
55°	1002.7
57.5°	871.2
60°	739.8
62.5°	608.5
65°	491.0
67.5°	380.2
70°	283.5
72.5°	193.6
75°	117.5
77.5°	55.4
80°	13.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)