

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: P684422

Luminaire Tested: **LX6C55D010 EX6C559035 6LBSH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684422
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 EX6C559035 6LBSH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

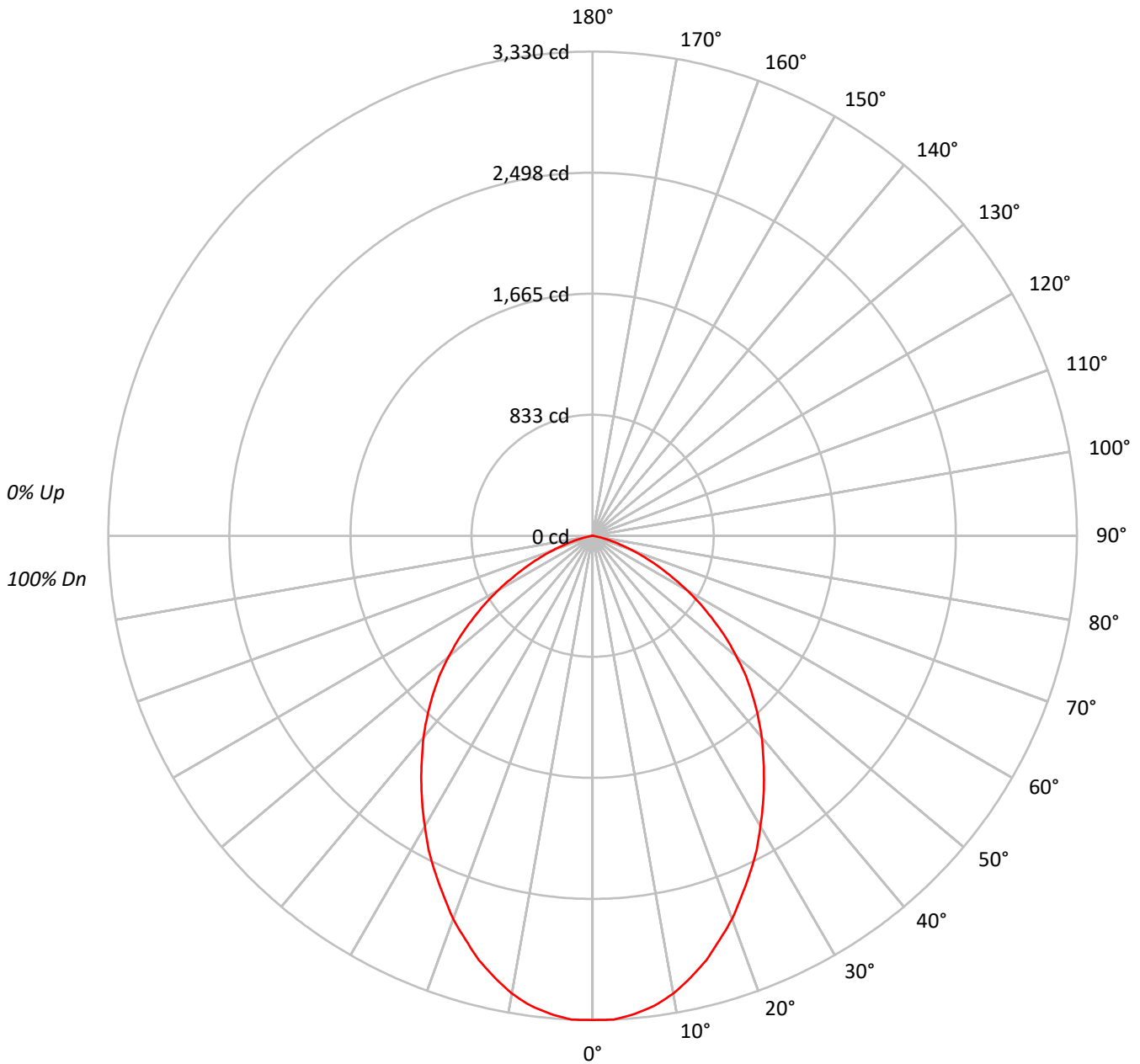
Lumens per Lamp: N/A
Luminaire Lumens: 6368.1 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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																	
RC	80									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°	182579
5°	181724
10°	177975
15°	171505
20°	163616
25°	154799
30°	146016
35°	137487
40°	129457
45°	120671
50°	110026
55°	97172
60°	82252
65°	64585
70°	46081
75°	25248
80°	4451
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.9	4.9
10°-20°	847.9	13.3
20°-30°	1177.5	18.5
30°-40°	1285.0	20.2
40°-50°	1198.7	18.8
50°-60°	909.8	14.3
60°-70°	498.2	7.8
70°-80°	137.1	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°	2337.4	36.7
0°-40°	3622.3	56.9
0°-60°	5730.8	90.0
0°-90°	6368.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6368.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3330	
5°	3302	312
15°	3022	848
25°	2559	1178
35°	2054	1285
45°	1556	1199
55°	1017	910
65°	498	498
75°	119	137
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3330.5
2.5°	3330.5
5°	3302.3
7.5°	3260.2
10°	3197.2
12.5°	3113.0
15°	3021.9
17.5°	2909.7
20°	2804.6
22.5°	2678.4
25°	2559.2
27.5°	2440.0
30°	2306.7
32.5°	2180.5
35°	2054.4
37.5°	1928.2
40°	1809.0
42.5°	1682.8
45°	1556.5
47.5°	1430.3
50°	1290.1
52.5°	1156.9
55°	1016.7
57.5°	883.5
60°	750.2
62.5°	617.1
65°	497.9
67.5°	385.6
70°	287.5
72.5°	196.3
75°	119.2
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)