

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: P684213

Luminaire Tested: **LX6C35D010 EX6C359027 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684213
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: LX6C35D010 EX6C359027 6LBSH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

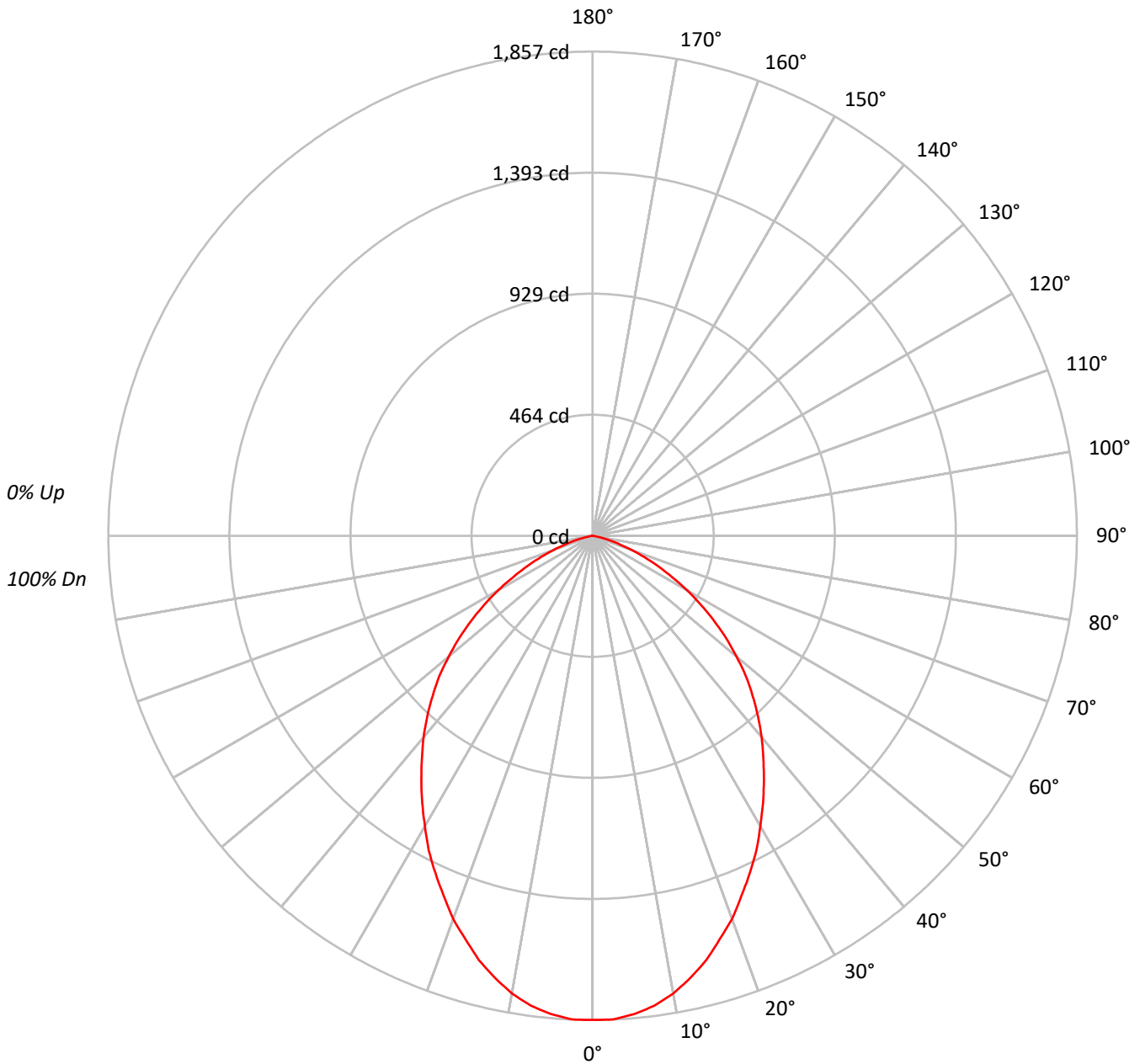
Lumens per Lamp: N/A
Luminaire Lumens: 3550.0 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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				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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77				77
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67				67
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58				58
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51				51
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46				46
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41				41
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37				37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34				34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31				31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101785
5°	101309
10°	99219
15°	95608
20°	91212
25°	86297
30°	81399
35°	76647
40°	72171
45°	67271
50°	61337
55°	54173
60°	45852
65°	36009
70°	25693
75°	14064
80°	2462
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.9	4.9
10°-20°	472.7	13.3
20°-30°	656.4	18.5
30°-40°	716.3	20.2
40°-50°	668.2	18.8
50°-60°	507.2	14.3
60°-70°	277.7	7.8
70°-80°	76.4	2.2
80°-90°	1.1	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°	1303.0	36.7
0°-40°	2019.4	56.9
0°-60°	3194.8	90.0
0°-90°	3550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3550.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1857	
5°	1841	174
15°	1685	473
25°	1427	656
35°	1145	716
45°	868	668
55°	567	507
65°	278	278
75°	66	76
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1856.7
2.5°	1856.7
5°	1841.0
7.5°	1817.5
10°	1782.4
12.5°	1735.4
15°	1684.6
17.5°	1622.1
20°	1563.5
22.5°	1493.1
25°	1426.7
27.5°	1360.2
30°	1285.9
32.5°	1215.6
35°	1145.3
37.5°	1074.9
40°	1008.5
42.5°	938.1
45°	867.7
47.5°	797.4
50°	719.2
52.5°	644.9
55°	566.8
57.5°	492.5
60°	418.2
62.5°	344.0
65°	277.6
67.5°	214.9
70°	160.3
72.5°	109.4
75°	66.4
77.5°	31.3
80°	7.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)