

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: P684539

Luminaire Tested: **LX6C70D010 EX6C709035 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684539
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: LX6C70D010 EX6C709035 6LBSH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

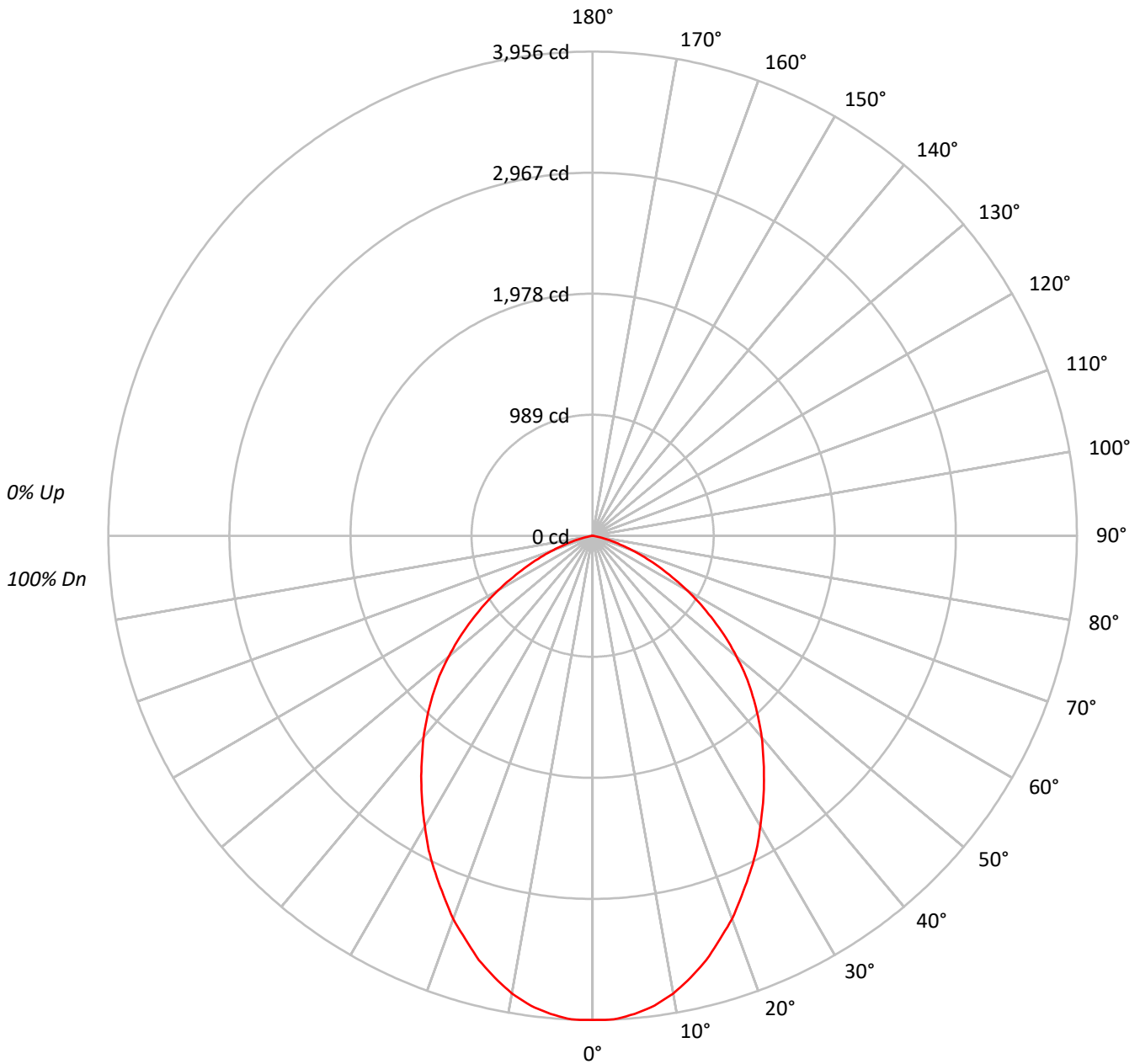
Lumens per Lamp: N/A
Luminaire Lumens: 7564.0 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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°	216869
5°	215854
10°	211402
15°	203713
20°	194343
25°	183869
30°	173438
35°	163312
40°	153767
45°	143340
50°	130691
55°	115427
60°	97701
65°	76714
70°	54737
75°	29992
80°	5272
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.5	4.9
10°-20°	1007.1	13.3
20°-30°	1398.7	18.5
30°-40°	1526.3	20.2
40°-50°	1423.8	18.8
50°-60°	1080.7	14.3
60°-70°	591.8	7.8
70°-80°	162.9	2.2
80°-90°	2.3	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°	2776.3	36.7
0°-40°	4302.6	56.9
0°-60°	6807.1	90.0
0°-90°	7564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7564.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3956	
5°	3922	371
15°	3589	1007
25°	3040	1399
35°	2440	1526
45°	1849	1424
55°	1208	1081
65°	591	592
75°	142	163
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3956.0
2.5°	3956.0
5°	3922.5
7.5°	3872.6
10°	3797.7
12.5°	3697.7
15°	3589.4
17.5°	3456.2
20°	3331.3
22.5°	3181.4
25°	3039.8
27.5°	2898.2
30°	2739.9
32.5°	2590.0
35°	2440.3
37.5°	2290.3
40°	2148.7
42.5°	1998.8
45°	1848.9
47.5°	1698.9
50°	1532.4
52.5°	1374.2
55°	1207.7
57.5°	1049.4
60°	891.1
62.5°	733.0
65°	591.4
67.5°	458.0
70°	341.5
72.5°	233.2
75°	141.6
77.5°	66.7
80°	16.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)