

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: P684695

Luminaire Tested: **LX6C90D010 EX6C909035 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684695
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: LX6C90D010 EX6C909035 6LBSH
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

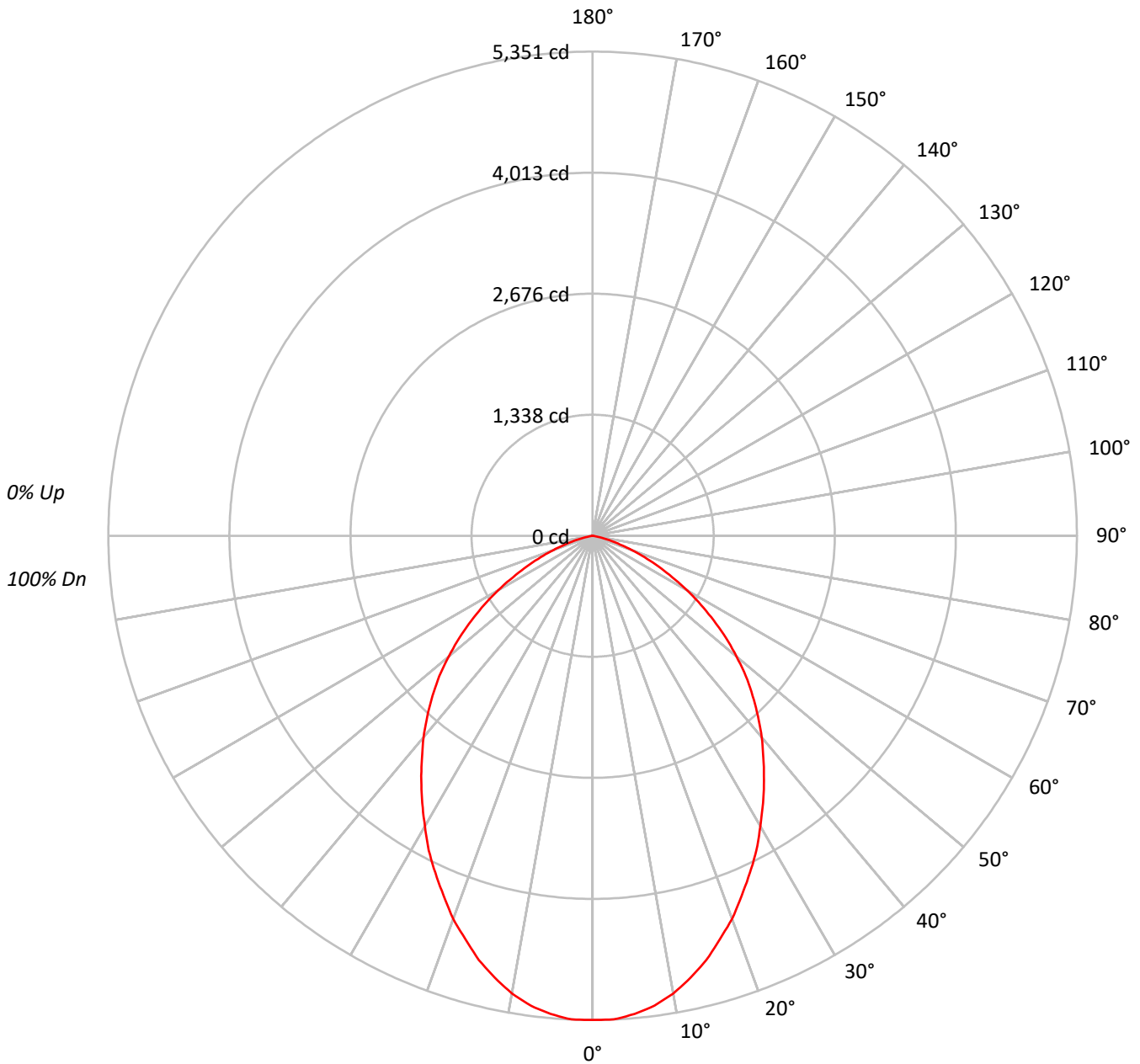
Lumens per Lamp: N/A
Luminaire Lumens: 10231.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 97.1
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

TEST NUMBER: P684695

CATALOG NUMBER: LX6C90D010 EX6C909035 6LBSH

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°	293332
5°	291965
10°	285939
15°	275541
20°	262867
25°	248700
30°	234593
35°	220893
40°	207990
45°	193881
50°	176779
55°	156123
60°	132149
65°	103759
70°	74035
75°	40561
80°	7135
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.2	4.9
10°-20°	1362.2	13.3
20°-30°	1891.8	18.5
30°-40°	2064.5	20.2
40°-50°	1925.9	18.8
50°-60°	1461.8	14.3
60°-70°	800.4	7.8
70°-80°	220.3	2.2
80°-90°	3.1	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°	3755.2	36.7
0°-40°	5819.7	56.9
0°-60°	9207.3	90.0
0°-90°	10231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10231.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5351	
5°	5306	501
15°	4855	1362
25°	4112	1892
35°	3301	2064
45°	2501	1926
55°	1634	1462
65°	800	800
75°	192	220
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5350.8
2.5°	5350.8
5°	5305.6
7.5°	5238.0
10°	5136.7
12.5°	5001.5
15°	4855.0
17.5°	4674.8
20°	4505.9
22.5°	4303.1
25°	4111.6
27.5°	3920.1
30°	3706.0
32.5°	3503.2
35°	3300.7
37.5°	3097.9
40°	2906.4
42.5°	2703.6
45°	2500.8
47.5°	2298.0
50°	2072.8
52.5°	1858.7
55°	1633.5
57.5°	1419.4
60°	1205.3
62.5°	991.4
65°	799.9
67.5°	619.5
70°	461.9
72.5°	315.4
75°	191.5
77.5°	90.2
80°	22.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)