

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: P684934

Luminaire Tested: **LX6C25D010 EX6259050 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C25D010 EX6259050 6LBSLI
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

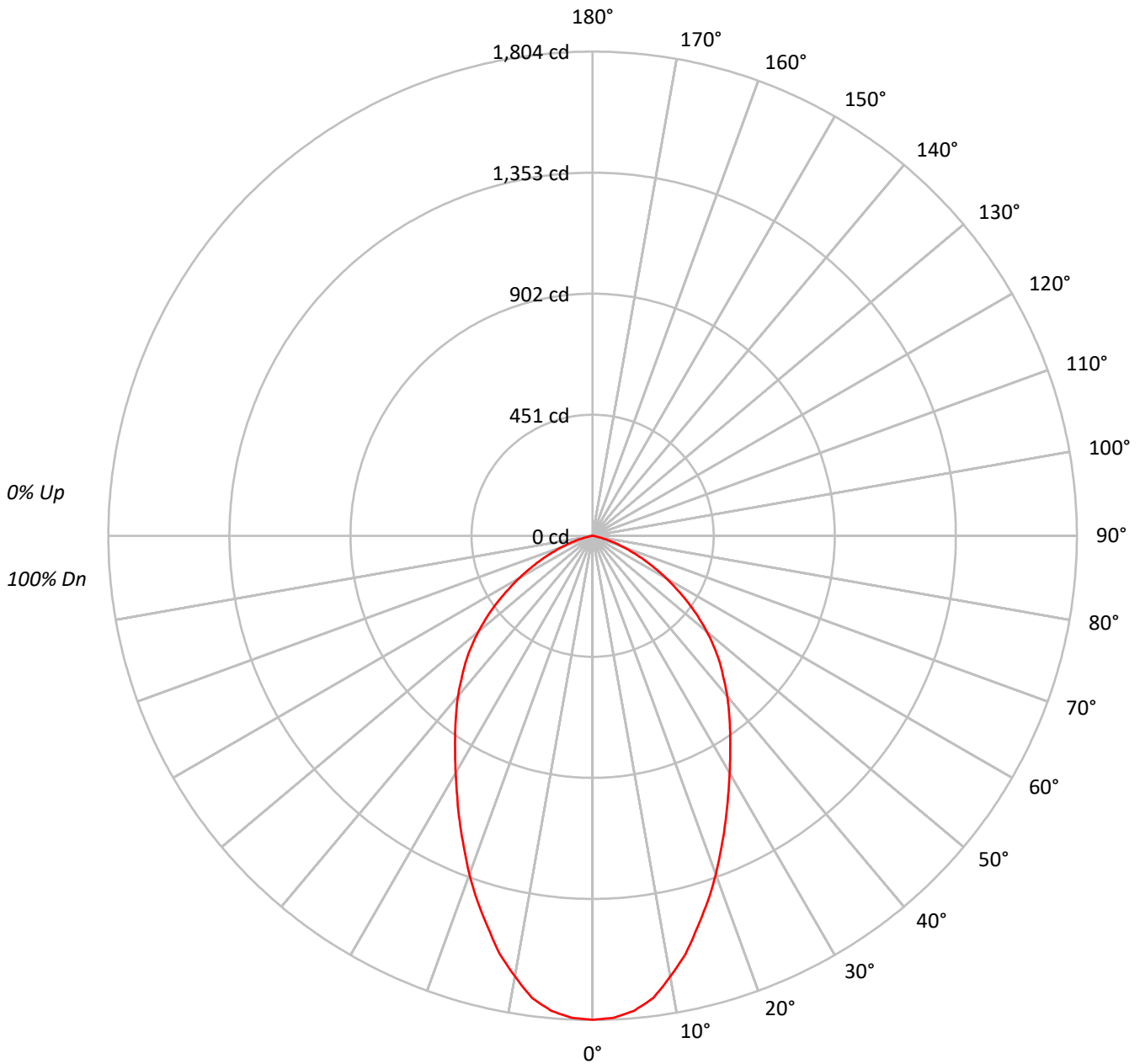
Lumens per Lamp: N/A
Luminaire Lumens: 2858.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98868
5°	97744
10°	92789
15°	85642
20°	78290
25°	70891
30°	64580
35°	59742
40°	55840
45°	52021
50°	47384
55°	41499
60°	34624
65°	27175
70°	18978
75°	10294
80°	1926
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.2	5.8
10°-20°	423.1	14.8
20°-30°	539.5	18.9
30°-40°	559.5	19.6
40°-50°	515.6	18.0
50°-60°	387.8	13.6
60°-70°	209.3	7.3
70°-80°	56.2	2.0
80°-90°	0.8	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°	1128.8	39.5
0°-40°	1688.3	59.1
0°-60°	2591.7	90.7
0°-90°	2858.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2858.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1804	
5°	1776	166
15°	1509	423
25°	1172	540
35°	893	560
45°	671	516
55°	434	388
65°	210	209
75°	49	56
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1803.5
2.5°	1797.5
5°	1776.2
7.5°	1736.7
10°	1666.9
12.5°	1597.1
15°	1509.0
17.5°	1427.1
20°	1342.0
22.5°	1254.0
25°	1172.0
27.5°	1093.1
30°	1020.2
32.5°	953.4
35°	892.7
37.5°	835.0
40°	780.3
42.5°	722.7
45°	671.0
47.5°	613.3
50°	555.6
52.5°	494.9
55°	434.2
57.5°	373.5
60°	315.8
62.5°	261.1
65°	209.5
67.5°	160.9
70°	118.4
72.5°	82.0
75°	48.6
77.5°	21.2
80°	6.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)