

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: P685254

Luminaire Tested: **LX6C80D010 EX6809040 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685254
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: LX6C80D010 EX6809040 6LBSLI
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

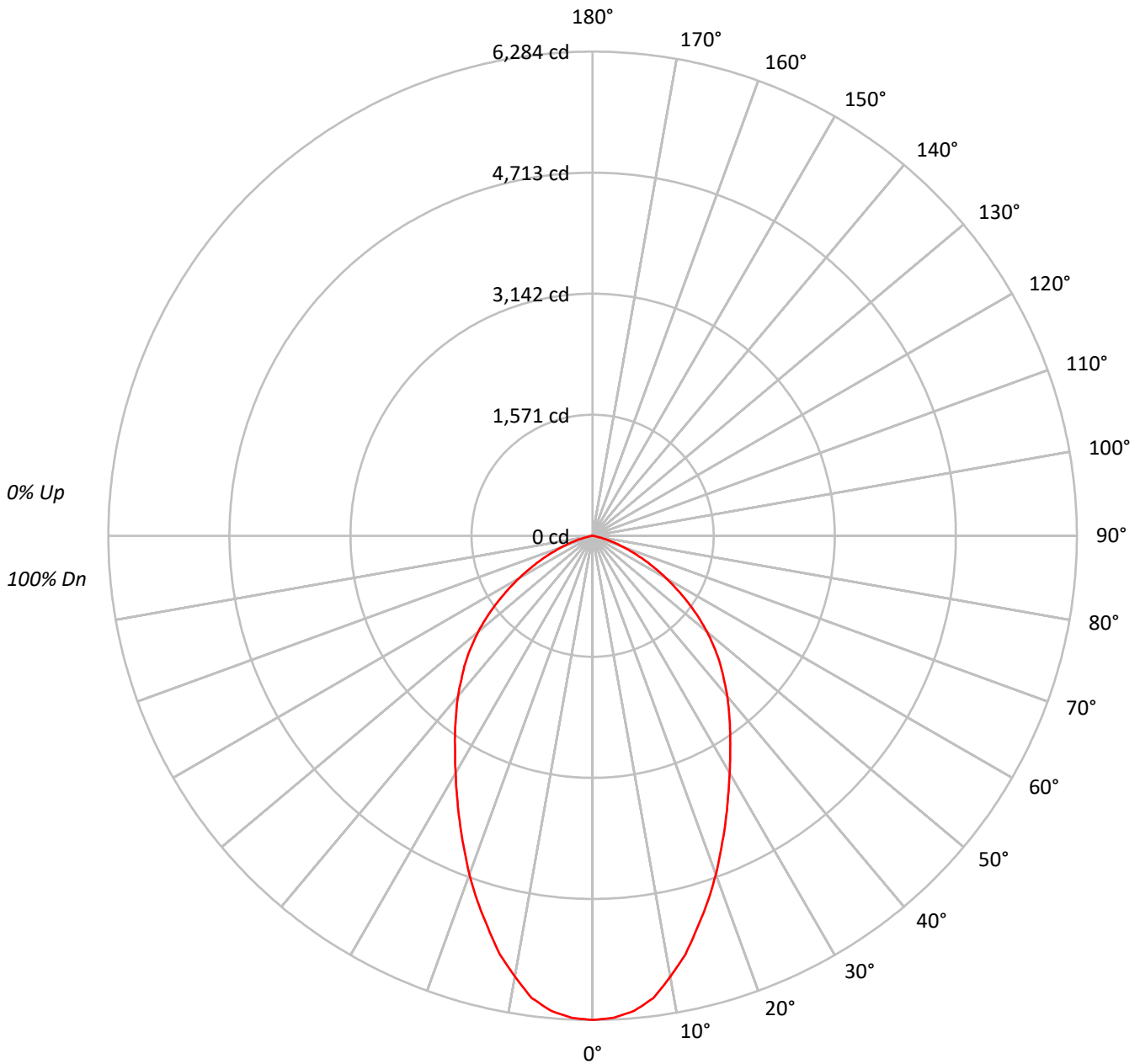
Lumens per Lamp: N/A
Luminaire Lumens: 9958.0 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 89.5
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			100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			60
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			47
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	344490
5°	340562
10°	323296
15°	298396
20°	272790
25°	247006
30°	225009
35°	208151
40°	194565
45°	181251
50°	165103
55°	144578
60°	120626
65°	94679
70°	66133
75°	35838
80°	6724
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	579.1	5.8
10°-20°	1474.2	14.8
20°-30°	1879.9	18.9
30°-40°	1949.5	19.6
40°-50°	1796.3	18.0
50°-60°	1351.2	13.6
60°-70°	729.3	7.3
70°-80°	195.7	2.0
80°-90°	2.9	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°	3933.1	39.5
0°-40°	5882.6	59.1
0°-60°	9030.1	90.7
0°-90°	9958.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9958.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6284	
5°	6189	579
15°	5258	1474
25°	4084	1880
35°	3110	1949
45°	2338	1796
55°	1513	1351
65°	730	729
75°	169	196
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6284.0
2.5°	6262.9
5°	6188.7
7.5°	6051.2
10°	5807.8
12.5°	5564.7
15°	5257.7
17.5°	4972.3
20°	4676.0
22.5°	4369.3
25°	4083.6
27.5°	3808.6
30°	3554.6
32.5°	3321.8
35°	3110.3
37.5°	2909.2
40°	2718.8
42.5°	2517.9
45°	2337.9
47.5°	2137.0
50°	1935.9
52.5°	1724.5
55°	1512.7
57.5°	1301.3
60°	1100.2
62.5°	909.7
65°	729.9
67.5°	560.7
70°	412.6
72.5°	285.7
75°	169.2
77.5°	74.0
80°	21.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)