

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: P685239

Luminaire Tested: **LX6C80D010 EX6809027 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685239
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 EX6809027 6LBSLI
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

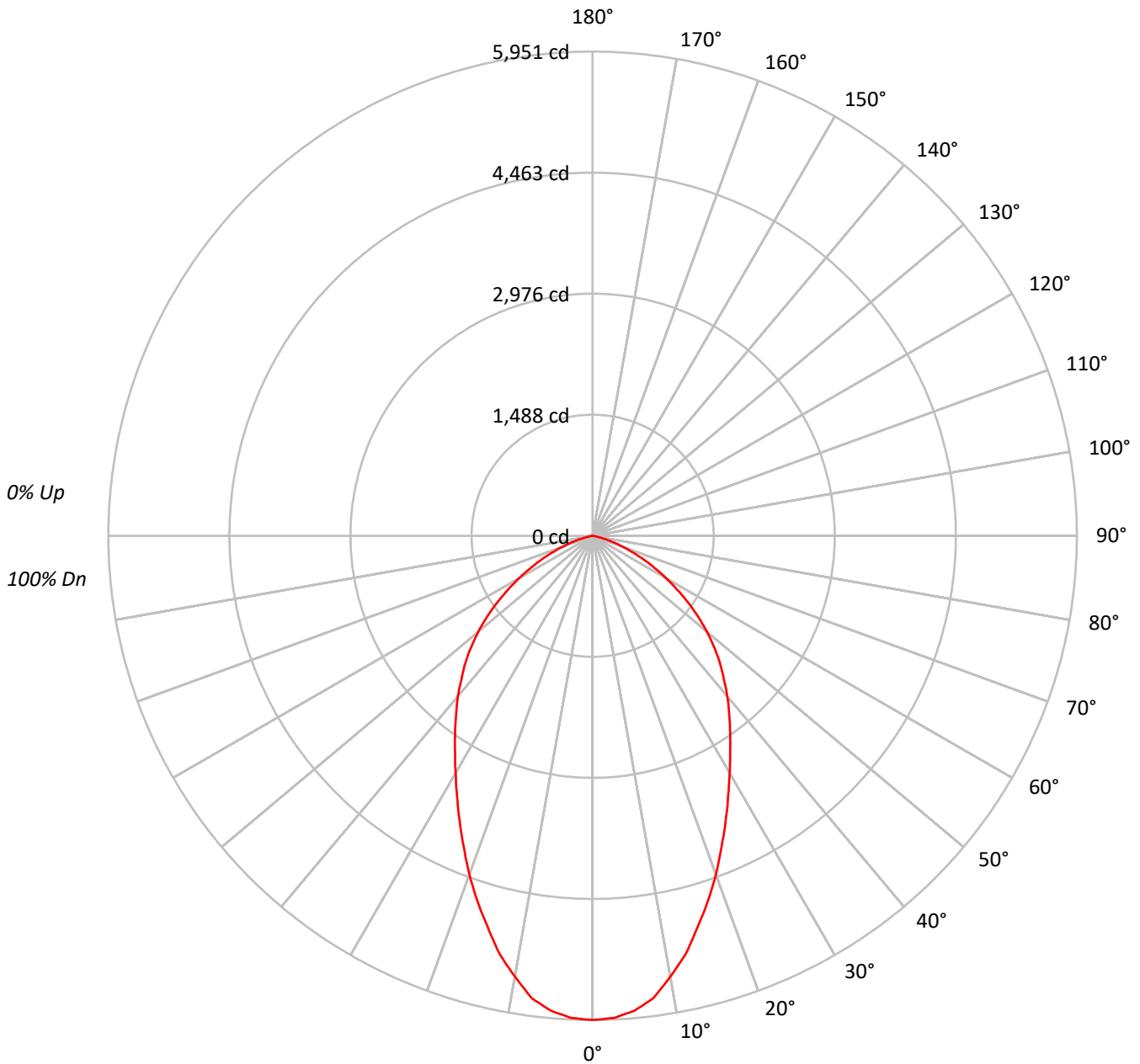
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9431.0 lumens
Efficiency: N/A
Efficacy: 105.4 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									
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	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°	326257
5°	322539
10°	306190
15°	282607
20°	258352
25°	233935
30°	213096
35°	197135
40°	184267
45°	171661
50°	156370
55°	136932
60°	114245
65°	89672
70°	62623
75°	33932
80°	6346
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.4	5.8
10°-20°	1396.1	14.8
20°-30°	1780.4	18.9
30°-40°	1846.3	19.6
40°-50°	1701.3	18.0
50°-60°	1279.7	13.6
60°-70°	690.8	7.3
70°-80°	185.3	2.0
80°-90°	2.7	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°	3724.9	39.5
0°-40°	5571.3	59.1
0°-60°	8552.2	90.7
0°-90°	9431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9431.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5951	
5°	5861	548
15°	4980	1396
25°	3868	1780
35°	2946	1846
45°	2214	1701
55°	1433	1280
65°	691	691
75°	160	185
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5951.4
2.5°	5931.5
5°	5861.2
7.5°	5731.0
10°	5500.5
12.5°	5270.2
15°	4979.5
17.5°	4709.2
20°	4428.5
22.5°	4138.1
25°	3867.5
27.5°	3607.0
30°	3366.4
32.5°	3146.0
35°	2945.7
37.5°	2755.3
40°	2574.9
42.5°	2384.7
45°	2214.2
47.5°	2023.9
50°	1833.5
52.5°	1633.2
55°	1432.7
57.5°	1232.4
60°	1042.0
62.5°	861.6
65°	691.3
67.5°	531.0
70°	390.7
72.5°	270.6
75°	160.2
77.5°	70.0
80°	20.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)