

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: P685269

Luminaire Tested: **LX6C90D010 EX6909030 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685269
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: LX6C90D010 EX6909030 6LBSLI
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

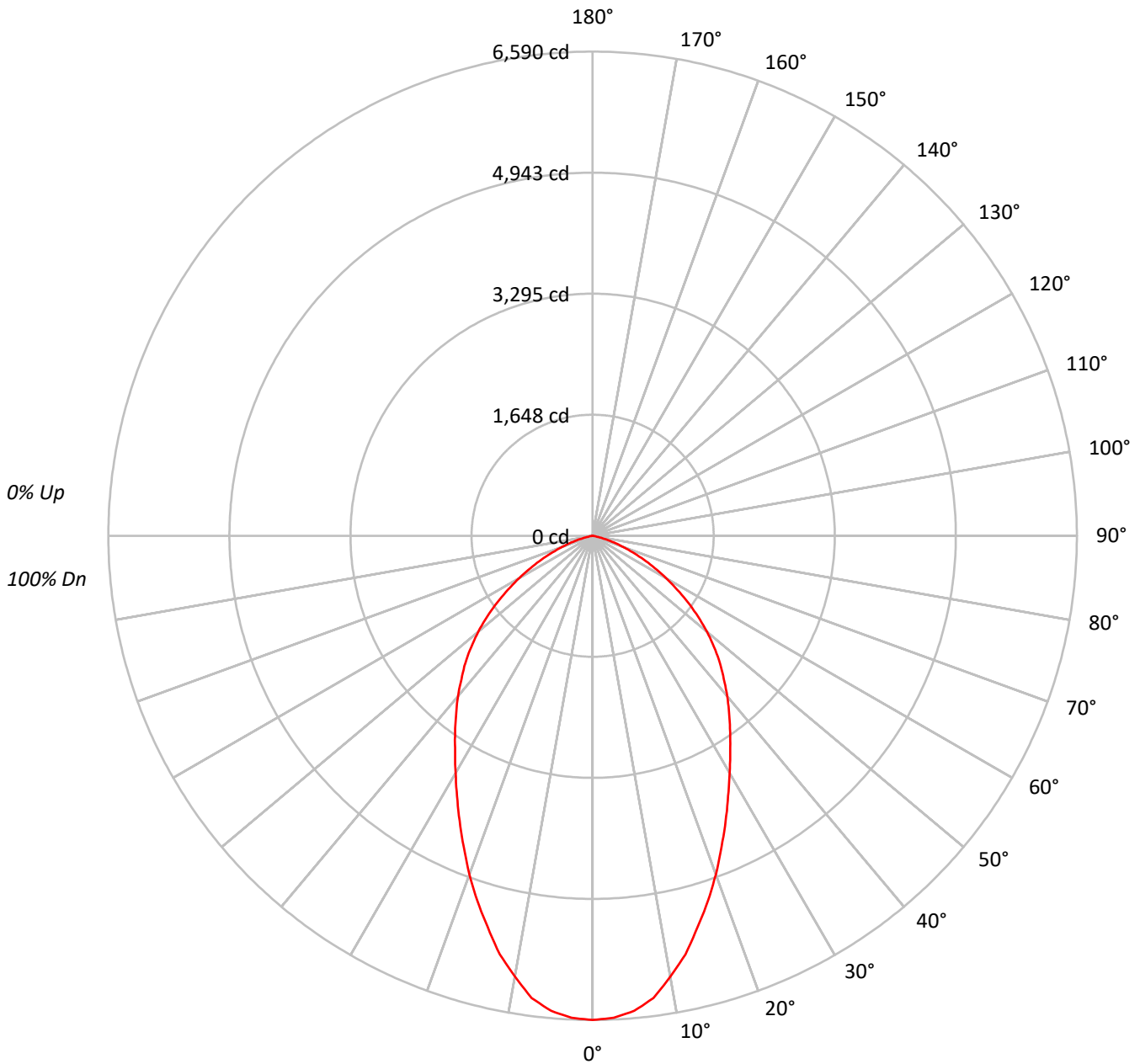
Lumens per Lamp: N/A
Luminaire Lumens: 10443.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	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°	361265
5°	357153
10°	339044
15°	312930
20°	286074
25°	259037
30°	235967
35°	218290
40°	204039
45°	190074
50°	173146
55°	151622
60°	126503
65°	99297
70°	69355
75°	37575
80°	7040
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.3	5.8
10°-20°	1546.0	14.8
20°-30°	1971.4	18.9
30°-40°	2044.4	19.6
40°-50°	1883.8	18.0
50°-60°	1417.0	13.6
60°-70°	764.9	7.3
70°-80°	205.2	2.0
80°-90°	3.0	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°	4124.6	39.5
0°-40°	6169.1	59.1
0°-60°	9469.9	90.7
0°-90°	10443.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10443.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6590	
5°	6490	607
15°	5514	1546
25°	4282	1971
35°	3262	2044
45°	2452	1884
55°	1586	1417
65°	766	765
75°	177	205
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6590.0
2.5°	6568.0
5°	6490.2
7.5°	6345.9
10°	6090.7
12.5°	5835.7
15°	5513.8
17.5°	5214.5
20°	4903.7
22.5°	4582.1
25°	4282.5
27.5°	3994.1
30°	3727.7
32.5°	3483.6
35°	3261.8
37.5°	3050.9
40°	2851.2
42.5°	2640.6
45°	2451.7
47.5°	2241.1
50°	2030.2
52.5°	1808.5
55°	1586.4
57.5°	1364.6
60°	1153.8
62.5°	954.0
65°	765.5
67.5°	588.0
70°	432.7
72.5°	299.6
75°	177.4
77.5°	77.6
80°	22.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)