

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: P685014

Luminaire Tested: **LX6C45D010 EX6459027 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685014
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: LX6C45D010 EX6459027 6LBSLI
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

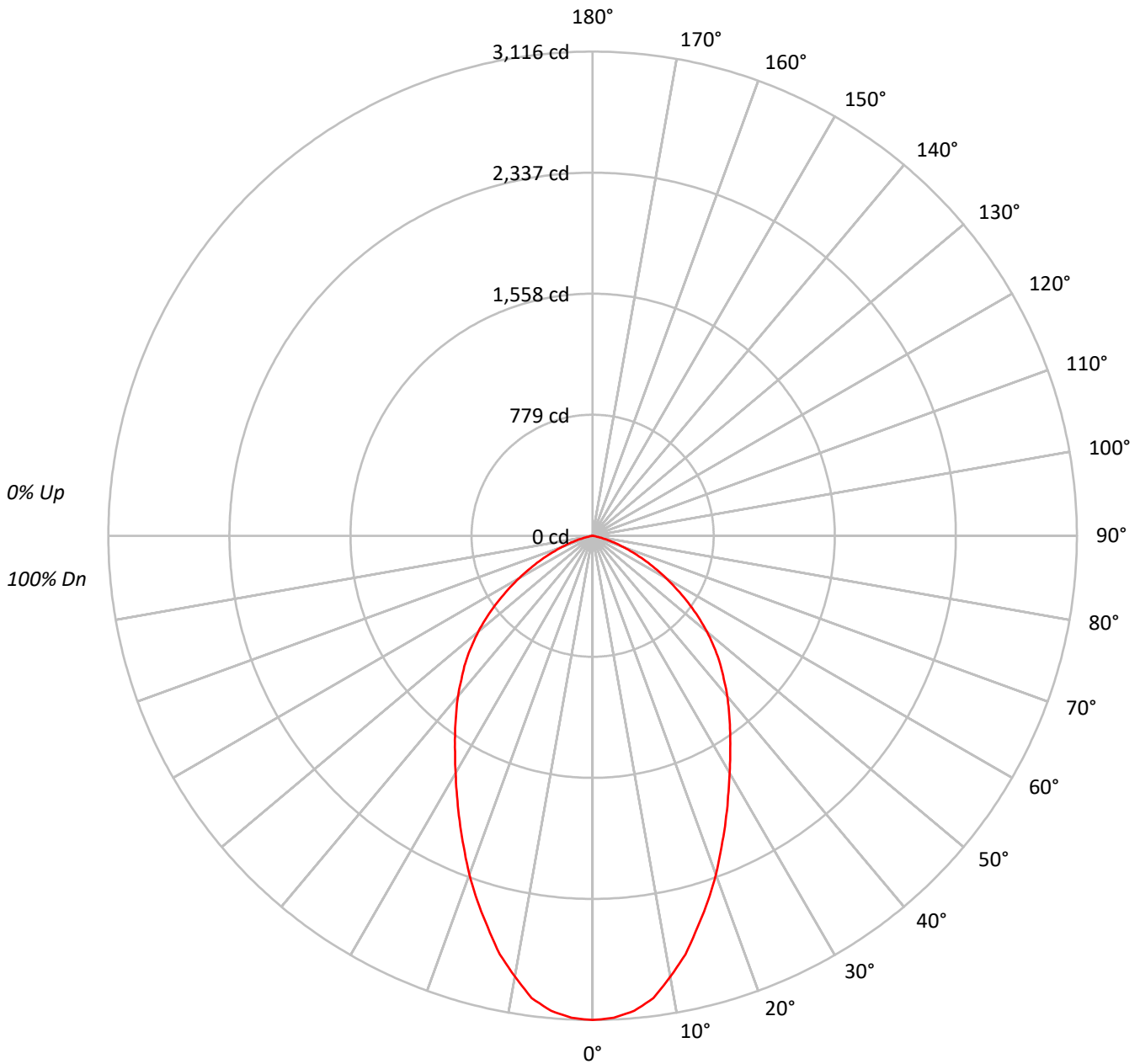
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4938.0 lumens
Efficiency: N/A
Efficacy: 99.6 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): 49.6
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°	170825
5°	168880
10°	160318
15°	147969
20°	135269
25°	122487
30°	111574
35°	103222
40°	96481
45°	89878
50°	81874
55°	71692
60°	59820
65°	46944
70°	32794
75°	17771
80°	3315
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.1	5.8
10°-20°	731.0	14.8
20°-30°	932.2	18.9
30°-40°	966.7	19.6
40°-50°	890.8	18.0
50°-60°	670.0	13.6
60°-70°	361.7	7.3
70°-80°	97.0	2.0
80°-90°	1.4	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°	1950.3	39.5
0°-40°	2917.1	59.1
0°-60°	4477.9	90.7
0°-90°	4938.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4938.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3116	
5°	3069	287
15°	2607	731
25°	2025	932
35°	1542	967
45°	1159	891
55°	750	670
65°	362	362
75°	84	97
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3116.1
2.5°	3105.7
5°	3068.9
7.5°	3000.7
10°	2880.0
12.5°	2759.4
15°	2607.2
17.5°	2465.7
20°	2318.7
22.5°	2166.7
25°	2025.0
27.5°	1888.6
30°	1762.6
32.5°	1647.2
35°	1542.4
37.5°	1442.6
40°	1348.2
42.5°	1248.6
45°	1159.3
47.5°	1059.7
50°	960.0
52.5°	855.1
55°	750.1
57.5°	645.3
60°	545.6
62.5°	451.1
65°	361.9
67.5°	278.1
70°	204.6
72.5°	141.7
75°	83.9
77.5°	36.7
80°	10.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)