

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: P685034

Luminaire Tested: **LX6C45D010 EX6459050 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685034
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 EX6459050 6LBSLI
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

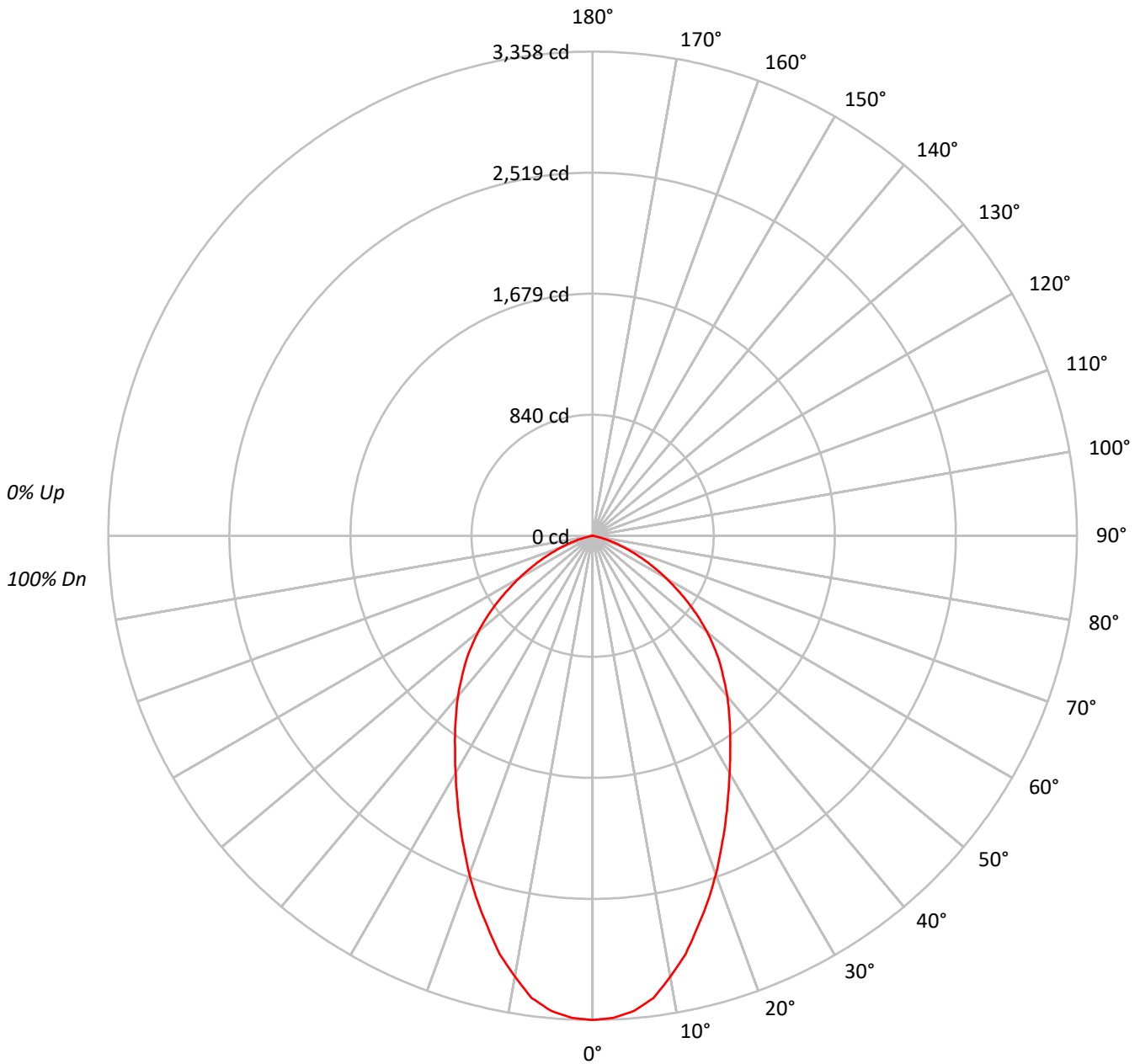
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5321.0 lumens
Efficiency: N/A
Efficacy: 107.3 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): 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																	
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	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°	184075
5°	181977
10°	172753
15°	159445
20°	145764
25°	131989
30°	120234
35°	111226
40°	103966
45°	96847
50°	88227
55°	77254
60°	64458
65°	50589
70°	35343
75°	19148
80°	3599
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.4	5.8
10°-20°	787.7	14.8
20°-30°	1004.5	18.9
30°-40°	1041.7	19.6
40°-50°	959.8	18.0
50°-60°	722.0	13.6
60°-70°	389.7	7.3
70°-80°	104.5	2.0
80°-90°	1.5	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°	2101.6	39.5
0°-40°	3143.3	59.1
0°-60°	4825.2	90.7
0°-90°	5321.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5321.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3358	
5°	3307	309
15°	2809	788
25°	2182	1005
35°	1662	1042
45°	1249	960
55°	808	722
65°	390	390
75°	90	105
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3357.8
2.5°	3346.6
5°	3306.9
7.5°	3233.4
10°	3103.4
12.5°	2973.5
15°	2809.4
17.5°	2656.9
20°	2498.6
22.5°	2334.7
25°	2182.1
27.5°	2035.1
30°	1899.4
32.5°	1775.0
35°	1662.0
37.5°	1554.5
40°	1452.8
42.5°	1345.4
45°	1249.2
47.5°	1141.9
50°	1034.5
52.5°	921.5
55°	808.3
57.5°	695.3
60°	587.9
62.5°	486.1
65°	390.0
67.5°	299.6
70°	220.5
72.5°	152.6
75°	90.4
77.5°	39.5
80°	11.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)