

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: P685019

Luminaire Tested: **LX6C45D010 EX6459030 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685019
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 EX6459030 6LBSLI
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

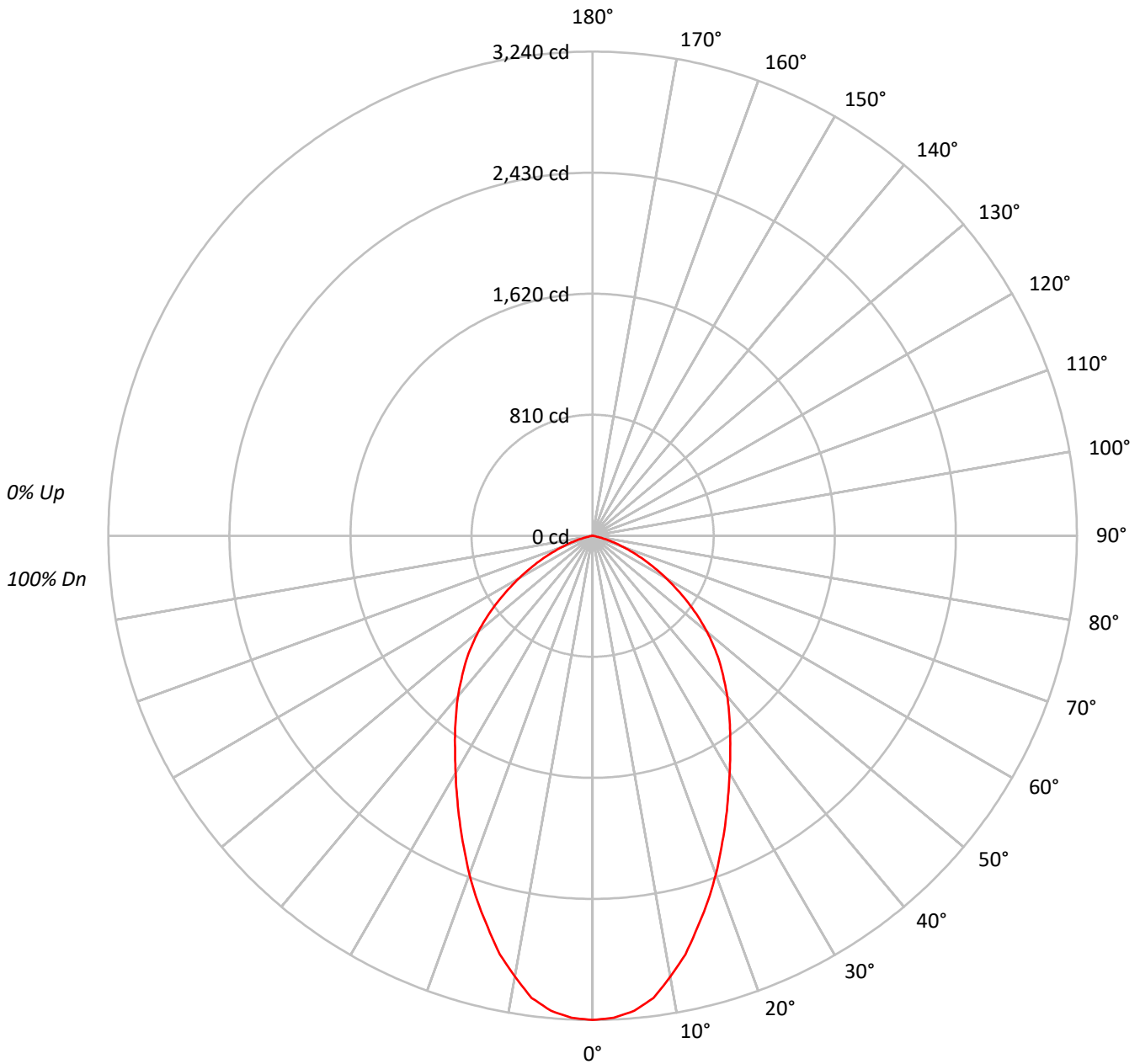
Lumens per Lamp: N/A
Luminaire Lumens: 5134.0 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	177606
5°	175583
10°	166680
15°	153843
20°	140642
25°	127350
30°	116005
35°	107318
40°	100309
45°	93444
50°	85123
55°	74540
60°	62188
65°	48812
70°	34092
75°	18470
80°	3473
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.5	5.8
10°-20°	760.0	14.8
20°-30°	969.2	18.9
30°-40°	1005.1	19.6
40°-50°	926.1	18.0
50°-60°	696.6	13.6
60°-70°	376.0	7.3
70°-80°	100.9	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°	2027.8	39.5
0°-40°	3032.9	59.1
0°-60°	4655.6	90.7
0°-90°	5134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5134.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3240	
5°	3191	299
15°	2711	760
25°	2105	969
35°	1604	1005
45°	1205	926
55°	780	697
65°	376	376
75°	87	101
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3239.8
2.5°	3229.0
5°	3190.7
7.5°	3119.8
10°	2994.3
12.5°	2869.0
15°	2710.7
17.5°	2563.5
20°	2410.8
22.5°	2252.7
25°	2105.4
27.5°	1963.6
30°	1832.6
32.5°	1712.6
35°	1603.6
37.5°	1499.9
40°	1401.7
42.5°	1298.2
45°	1205.3
47.5°	1101.8
50°	998.1
52.5°	889.1
55°	779.9
57.5°	670.9
60°	567.2
62.5°	469.0
65°	376.3
67.5°	289.1
70°	212.7
72.5°	147.3
75°	87.2
77.5°	38.1
80°	11.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)