

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: P685029

Luminaire Tested: **LX6C45D010 EX6459040 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685029
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 EX6459040 6LBSLI
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

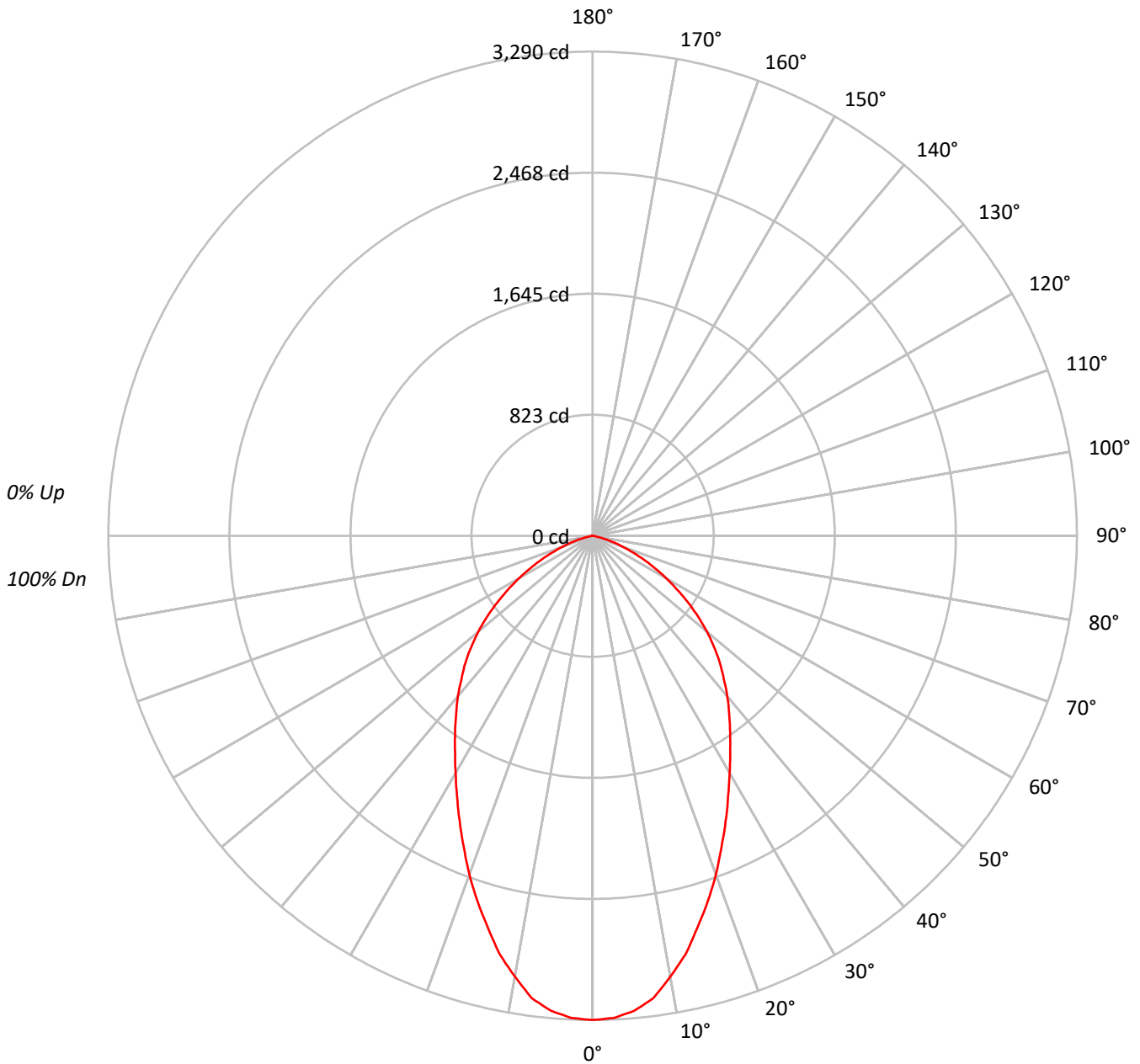
Lumens per Lamp: N/A
Luminaire Lumens: 5214.0 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	180375
5°	178318
10°	169280
15°	156244
20°	142830
25°	129334
30°	117816
35°	108991
40°	101877
45°	94901
50°	86453
55°	75706
60°	63164
65°	49577
70°	34621
75°	18766
80°	3504
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.2	5.8
10°-20°	771.9	14.8
20°-30°	984.3	18.9
30°-40°	1020.8	19.6
40°-50°	940.5	18.0
50°-60°	707.5	13.6
60°-70°	381.9	7.3
70°-80°	102.4	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°	2059.4	39.5
0°-40°	3080.1	59.1
0°-60°	4728.2	90.7
0°-90°	5214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5214.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3290	
5°	3240	303
15°	2753	772
25°	2138	984
35°	1629	1021
45°	1224	941
55°	792	707
65°	382	382
75°	89	102
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3290.3
2.5°	3279.3
5°	3240.4
7.5°	3168.4
10°	3041.0
12.5°	2913.7
15°	2753.0
17.5°	2603.5
20°	2448.3
22.5°	2287.8
25°	2138.2
27.5°	1994.2
30°	1861.2
32.5°	1739.3
35°	1628.6
37.5°	1523.3
40°	1423.6
42.5°	1318.4
45°	1224.1
47.5°	1118.9
50°	1013.7
52.5°	902.9
55°	792.1
57.5°	681.3
60°	576.1
62.5°	476.3
65°	382.2
67.5°	293.6
70°	216.0
72.5°	149.6
75°	88.6
77.5°	38.7
80°	11.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)