

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: P685039

Luminaire Tested: **LX6C05D010 EX6059027 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685039
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: LX6C05D010 EX6059027 6LBSLI
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

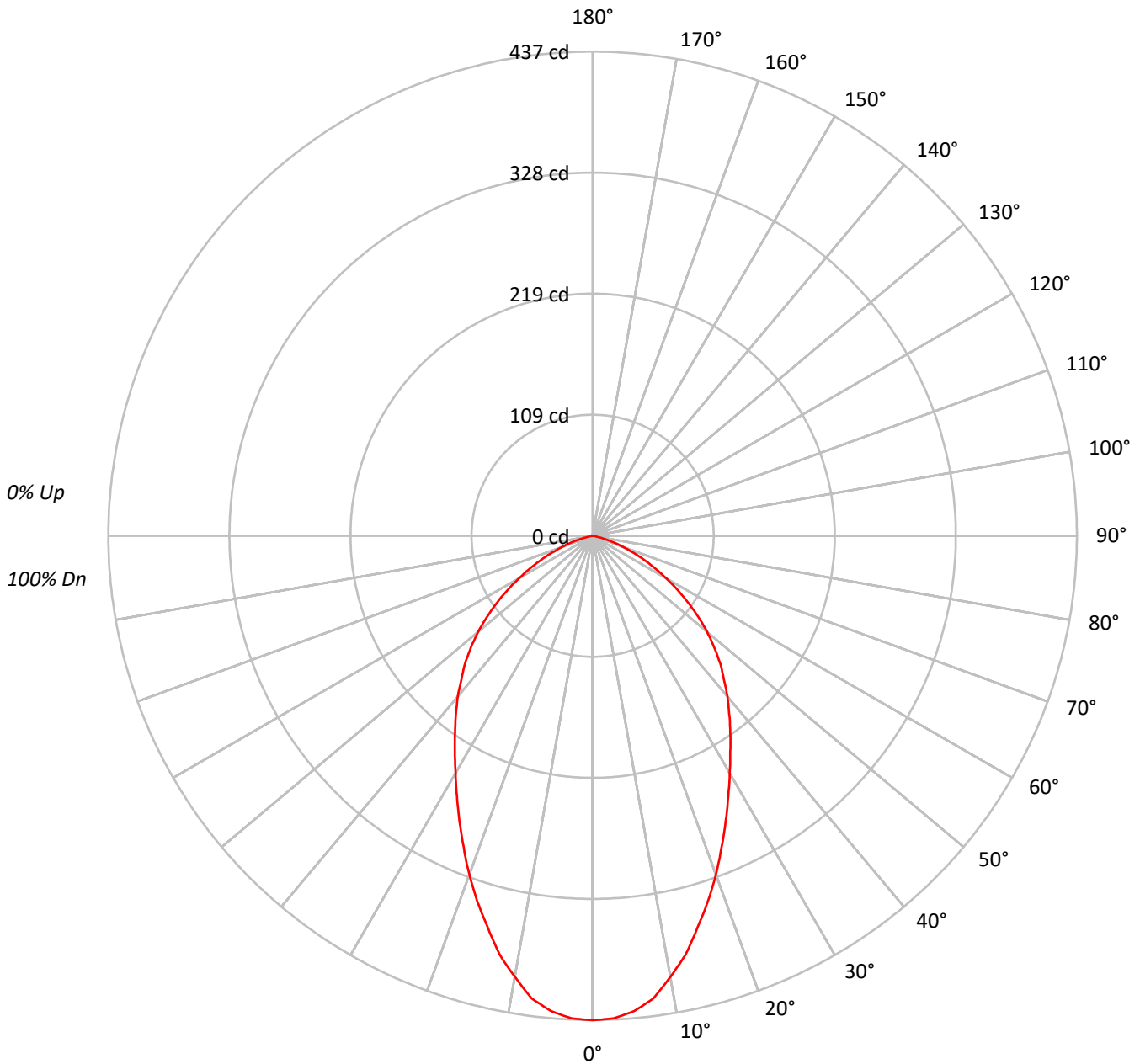
Lumens per Lamp: N/A
Luminaire Lumens: 693.0 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

TEST NUMBER: P685039

CATALOG NUMBER: LX6C05D010 EX6059027 6LBSLI

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°	23973
5°	23701
10°	22500
15°	20766
20°	18983
25°	17191
30°	15661
35°	14489
40°	13540
45°	12614
50°	11488
55°	10064
60°	8398
65°	6590
70°	4600
75°	2499
80°	474
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	5.8
10°-20°	102.6	14.8
20°-30°	130.8	18.9
30°-40°	135.7	19.6
40°-50°	125.0	18.0
50°-60°	94.0	13.6
60°-70°	50.8	7.3
70°-80°	13.6	2.0
80°-90°	0.2	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°	273.7	39.5
0°-40°	409.4	59.1
0°-60°	628.4	90.7
0°-90°	693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	693.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	437	
5°	431	40
15°	366	103
25°	284	131
35°	216	136
45°	163	125
55°	105	94
65°	51	51
75°	12	14
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	437.3
2.5°	435.9
5°	430.7
7.5°	421.1
10°	404.2
12.5°	387.3
15°	365.9
17.5°	346.0
20°	325.4
22.5°	304.1
25°	284.2
27.5°	265.0
30°	247.4
32.5°	231.2
35°	216.5
37.5°	202.5
40°	189.2
42.5°	175.2
45°	162.7
47.5°	148.7
50°	134.7
52.5°	120.0
55°	105.3
57.5°	90.6
60°	76.6
62.5°	63.3
65°	50.8
67.5°	39.0
70°	28.7
72.5°	19.9
75°	11.8
77.5°	5.1
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)