

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: P685089

Luminaire Tested: **LX6C55D010 EX6559027 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685089
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: LX6C55D010 EX6559027 6LBSLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

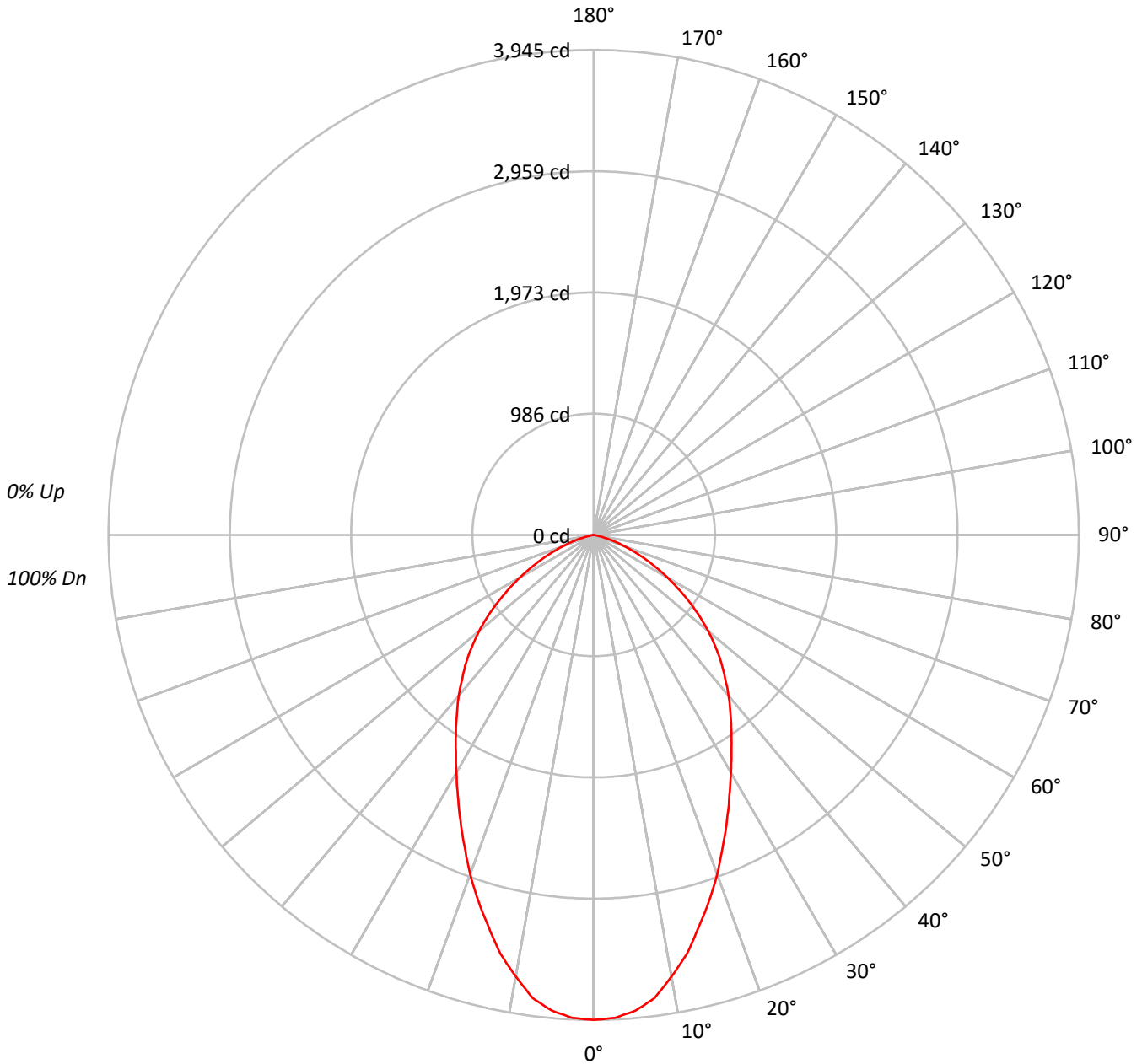
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6252.1 lumens
Efficiency: N/A
Efficacy: 97.8 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): 63.9
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: P685089
CATALOG NUMBER: LX6C55D010 EX6559027 6LBSLI

Luminous Intensity Polar Plot





TEST NUMBER: P685089

CATALOG NUMBER: LX6C55D010 EX6559027 6LBSLI

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°	216282
5°	213817
10°	202980
15°	187345
20°	171270
25°	155078
30°	141269
35°	130687
40°	122157
45°	113795
50°	103664
55°	90778
60°	75729
65°	59449
70°	41513
75°	22494
80°	4230
85°	0



TEST NUMBER: P685089

CATALOG NUMBER: LX6C55D010 EX6559027 6LBSLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.6	5.8
10°-20°	925.5	14.8
20°-30°	1180.3	18.9
30°-40°	1224.0	19.6
40°-50°	1127.8	18.0
50°-60°	848.4	13.6
60°-70°	457.9	7.3
70°-80°	122.8	2.0
80°-90°	1.8	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°	2469.3	39.5
0°-40°	3693.3	59.1
0°-60°	5669.5	90.7
0°-90°	6252.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6252.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3945	
5°	3886	364
15°	3301	926
25°	2564	1180
35°	1953	1224
45°	1468	1128
55°	950	848
65°	458	458
75°	106	123
85°	0	2
90°	0	



TEST NUMBER: P685089

CATALOG NUMBER: LX6C55D010 EX6559027 6LBSLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3945.3
2.5°	3932.1
5°	3885.5
7.5°	3799.2
10°	3646.4
12.5°	3493.7
15°	3301.0
17.5°	3121.8
20°	2935.8
22.5°	2743.2
25°	2563.8
27.5°	2391.2
30°	2231.7
32.5°	2085.6
35°	1952.8
37.5°	1826.5
40°	1707.0
42.5°	1580.9
45°	1467.8
47.5°	1341.7
50°	1215.5
52.5°	1082.7
55°	949.8
57.5°	817.0
60°	690.7
62.5°	571.2
65°	458.3
67.5°	352.0
70°	259.0
72.5°	179.4
75°	106.2
77.5°	46.4
80°	13.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)