

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: P685104

Luminaire Tested: **LX6C55D010 EX6559040 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685104
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 EX6559040 6LBSLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

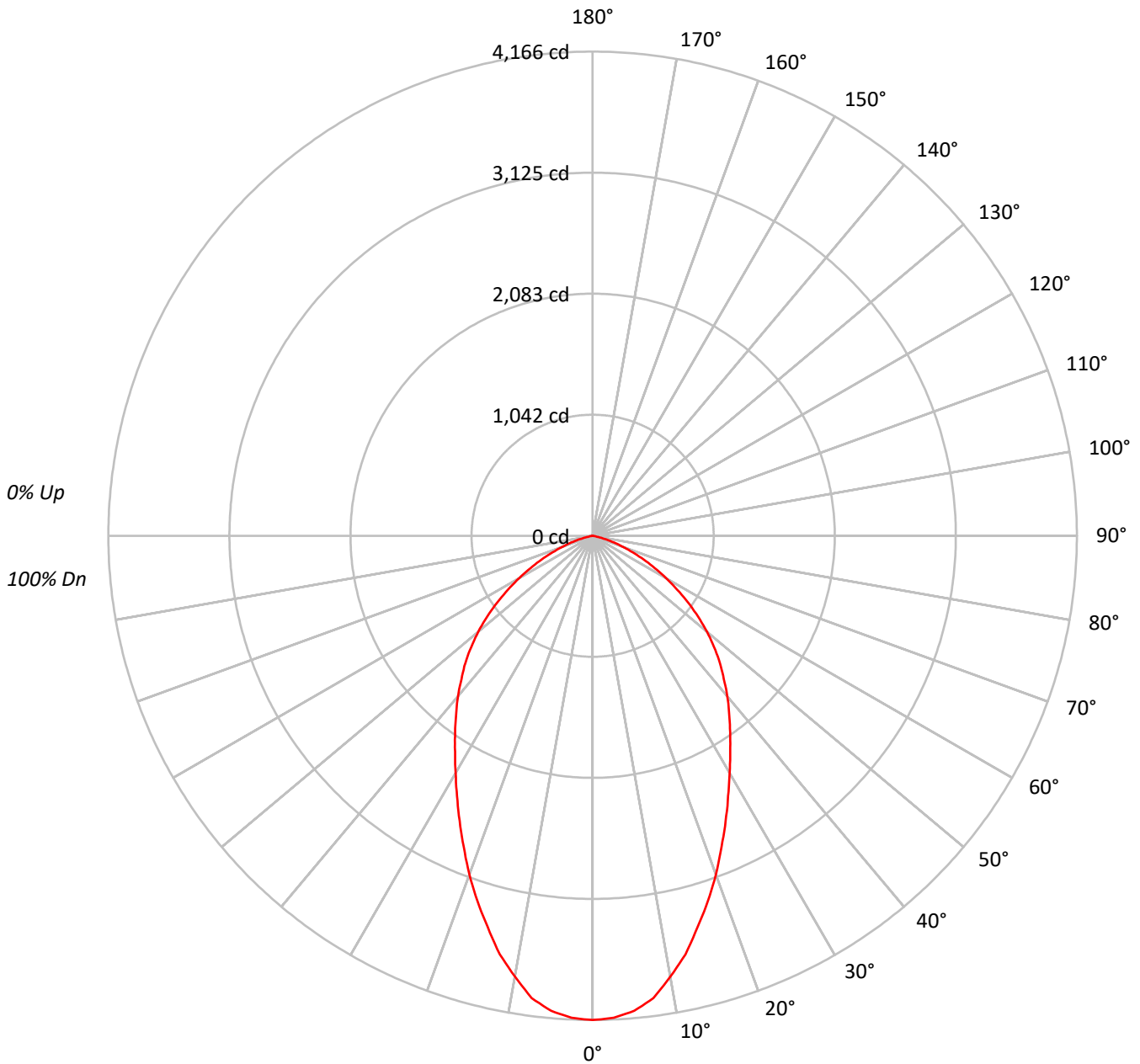
Lumens per Lamp: N/A
Luminaire Lumens: 6602.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P685104

CATALOG NUMBER: LX6C55D010 EX6559040 6LBSLI

Luminous Intensity Polar Plot





TEST NUMBER: P685104

CATALOG NUMBER: LX6C55D010 EX6559040 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			
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°	228392
5°	225786
10°	214341
15°	197833
20°	180855
25°	163763
30°	149175
35°	138002
40°	128992
45°	120168
50°	109463
55°	95853
60°	79972
65°	62769
70°	43838
75°	23765
80°	4451
85°	0



TEST NUMBER: P685104

CATALOG NUMBER: LX6C55D010 EX6559040 6LBSLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.9	5.8
10°-20°	977.3	14.8
20°-30°	1246.3	18.9
30°-40°	1292.5	19.6
40°-50°	1190.9	18.0
50°-60°	895.8	13.6
60°-70°	483.5	7.3
70°-80°	129.7	2.0
80°-90°	1.9	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°	2607.6	39.5
0°-40°	3900.1	59.1
0°-60°	5986.8	90.7
0°-90°	6602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6602.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4166	
5°	4103	384
15°	3486	977
25°	2707	1246
35°	2062	1292
45°	1550	1191
55°	1003	896
65°	484	484
75°	112	130
85°	0	2
90°	0	



TEST NUMBER: P685104

CATALOG NUMBER: LX6C55D010 EX6559040 6LBSLI

CANDELA DISTRIBUTION (FULL):

0°	
0°	4166.2
2.5°	4152.2
5°	4103.0
7.5°	4011.9
10°	3850.5
12.5°	3689.3
15°	3485.8
17.5°	3296.6
20°	3100.1
22.5°	2896.8
25°	2707.4
27.5°	2525.0
30°	2356.6
32.5°	2202.3
35°	2062.1
37.5°	1928.8
40°	1802.5
42.5°	1669.4
45°	1550.0
47.5°	1416.8
50°	1283.5
52.5°	1143.3
55°	1002.9
57.5°	862.7
60°	729.4
62.5°	603.1
65°	483.9
67.5°	371.7
70°	273.5
72.5°	189.4
75°	112.2
77.5°	49.0
80°	14.1
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)