

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: P684436

Luminaire Tested: **LX6C55D010 EX6C559050 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204188)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C55D010 EX6C559050 6LBSH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

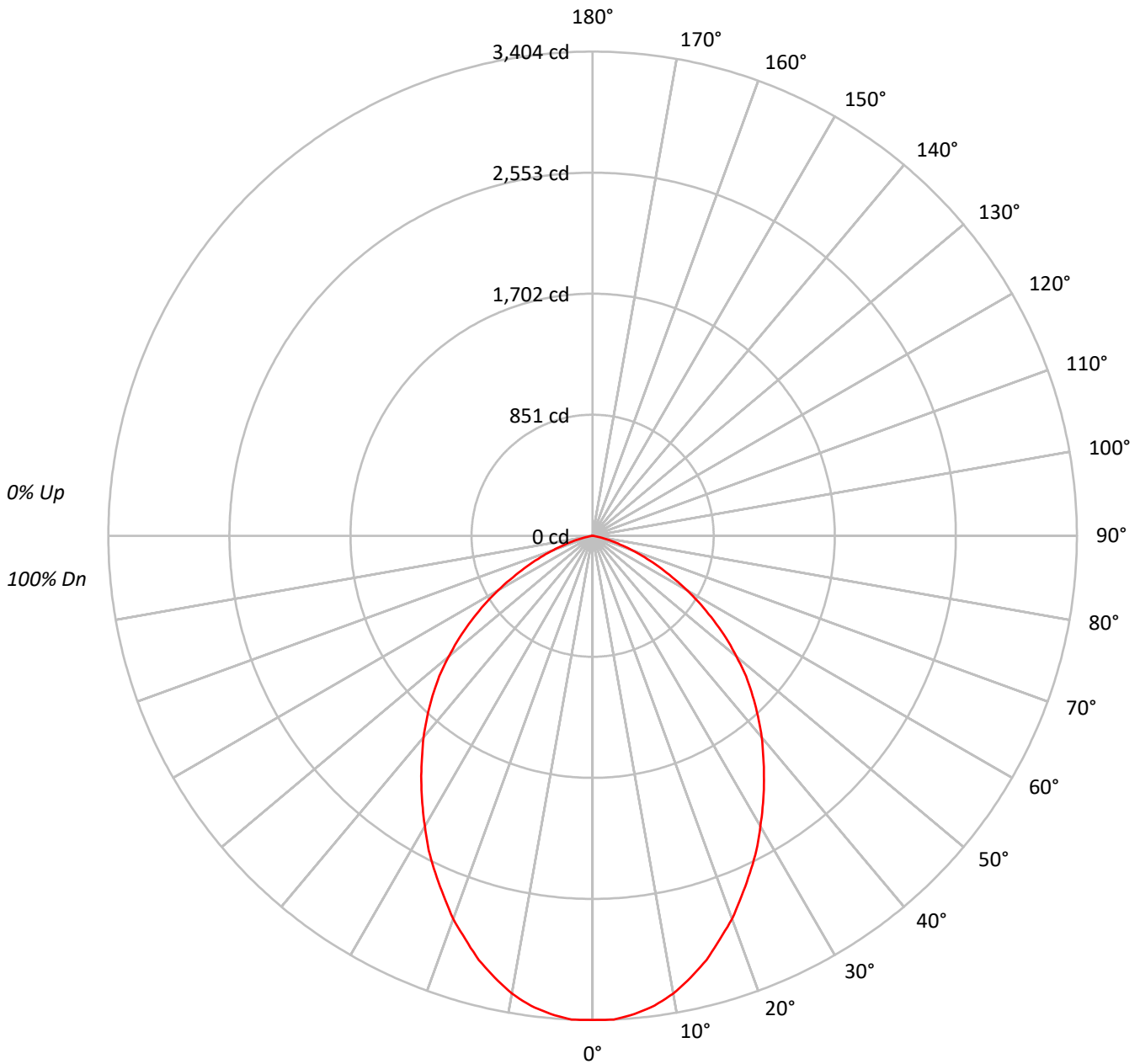
Lumens per Lamp: N/A
Luminaire Lumens: 6509.0 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P684436

CATALOG NUMBER: LX6C55D010 EX6C559050 6LBSH

Luminous Intensity Polar Plot





TEST NUMBER: P684436

CATALOG NUMBER: LX6C55D010 EX6C559050 6LBSH

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	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	186619
5°	185747
10°	181916
15°	175302
20°	167239
25°	158223
30°	149251
35°	140532
40°	132319
45°	123346
50°	112465
55°	99323
60°	84072
65°	66012
70°	47107
75°	25798
80°	4546
85°	0



TEST NUMBER: P684436

CATALOG NUMBER: LX6C55D010 EX6C559050 6LBSH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.9	4.9
10°-20°	866.7	13.3
20°-30°	1203.6	18.5
30°-40°	1313.4	20.2
40°-50°	1225.2	18.8
50°-60°	930.0	14.3
60°-70°	509.2	7.8
70°-80°	140.1	2.2
80°-90°	2.0	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°	2389.1	36.7
0°-40°	3702.5	56.9
0°-60°	5857.7	90.0
0°-90°	6509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6509.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3404	
5°	3375	319
15°	3089	867
25°	2616	1204
35°	2100	1313
45°	1591	1225
55°	1039	930
65°	509	509
75°	122	140
85°	0	2
90°	0	



TEST NUMBER: P684436

CATALOG NUMBER: LX6C55D010 EX6C559050 6LBSH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3404.2
2.5°	3404.2
5°	3375.4
7.5°	3332.4
10°	3268.0
12.5°	3182.0
15°	3088.8
17.5°	2974.1
20°	2866.7
22.5°	2737.7
25°	2615.8
27.5°	2494.0
30°	2357.8
32.5°	2228.8
35°	2099.9
37.5°	1970.9
40°	1849.0
42.5°	1720.0
45°	1591.0
47.5°	1462.0
50°	1318.7
52.5°	1182.5
55°	1039.2
57.5°	903.0
60°	766.8
62.5°	630.7
65°	508.9
67.5°	394.1
70°	293.9
72.5°	200.7
75°	121.8
77.5°	57.4
80°	14.4
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)