

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P793750

Luminaire Tested: LER6D55D010-EC6DR3055659030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D55D010-EC6DR3055659030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6362.0 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
Input Voltage (V): NR
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: 24 FT

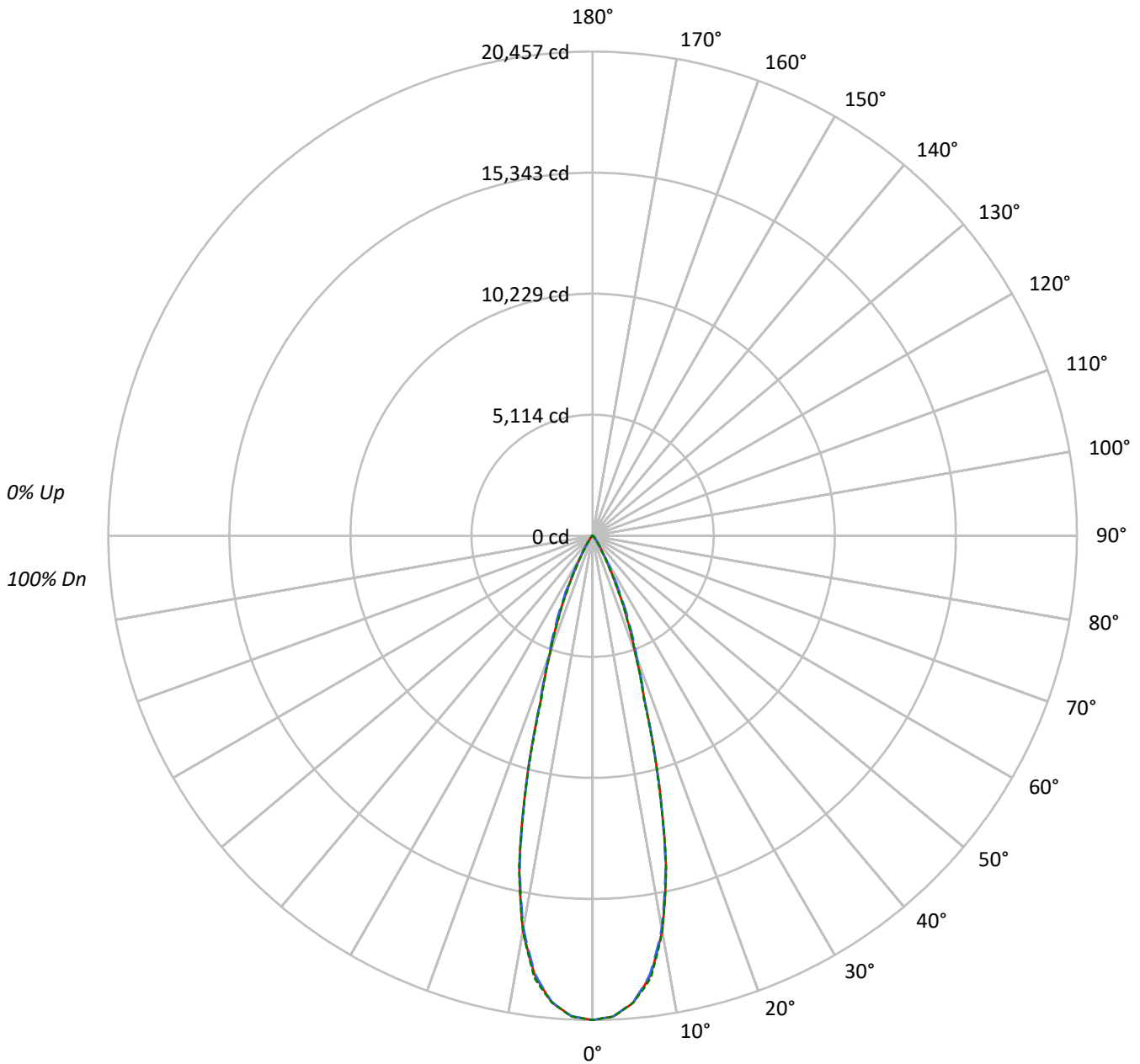


Downlight

TEST NUMBER: P793750

CATALOG NUMBER: LER6D55D010-EC6DR3055659030-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P793750

CATALOG NUMBER: LER6D55D010-EC6DR3055659030-6LBS1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1565841	1565841	1565841
5°	1520887	1519113	1520964
10°	1317316	1308028	1317005
15°	859484	854872	850569
20°	427382	443421	426812
25°	215288	242770	210870
30°	86193	93918	75100
35°	39984	38293	32097
40°	17266	19165	16257
45°	12178	15112	12286
50°	4192	11003	4430
55°	2415	4551	2549
60°	1684	2005	1684
65°	1087	1087	1087
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 15112 cd/sqm



TEST NUMBER: P793750

CATALOG NUMBER: LER6D55D010-EC6DR3055659030-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1798.9	28.3
10°-20°	2897.1	45.5
20°-30°	1251.9	19.7
30°-40°	285.3	4.5
40°-50°	98.0	1.5
50°-60°	23.9	0.4
60°-70°	6.2	0.1
70°-80°	0.7	0.0
80°-90°	0.0	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°	5947.9	93.5
0°-40°	6233.2	98.0
0°-60°	6355.1	99.9
0°-90°	6362.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6362.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20457	20457	20457	20457	20457	
5°	19794	19775	19771	19812	19795	1800
15°	10846	10716	10788	10753	10734	2904
25°	2549	2646	2874	2578	2497	1220
35°	428	437	410	407	344	290
45°	112	140	140	140	114	80
55°	18	19	34	20	19	18
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P793750

CATALOG NUMBER: LER6D55D010-EC6DR3055659030-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20456.9	20456.9	20456.9	20456.9	20456.9
2.5°	20321.3	20307.2	20315.3	20325.3	20329.3
5°	19794.0	19774.9	19770.9	19812.1	19795.0
7.5°	18730.4	18703.3	18662.1	18755.5	18842.9
10°	16948.6	16918.5	16829.1	16873.3	16944.6
12.5°	14318.2	14220.8	14218.8	14359.4	14340.3
15°	10846.1	10715.6	10787.9	10752.7	10733.6
17.5°	7293.7	7243.5	7339.9	7310.8	7185.2
20°	5246.8	5259.9	5443.7	5351.2	5239.8
22.5°	3828.6	3875.8	4093.8	3855.8	3768.4
25°	2549.1	2645.5	2874.5	2578.2	2496.8
27.5°	1567.8	1612.0	1844.0	1547.7	1503.5
30°	975.2	953.1	1062.6	912.0	849.7
32.5°	639.8	611.7	646.8	580.5	530.3
35°	427.9	436.9	409.8	406.8	343.5
37.5°	267.2	307.3	271.2	289.3	221.0
40°	172.8	223.0	191.8	211.9	162.7
42.5°	141.6	171.7	157.7	167.7	144.6
45°	112.5	139.6	139.6	139.6	113.5
47.5°	62.3	93.4	119.5	95.4	66.3
50°	35.2	47.2	92.4	49.2	37.2
52.5°	24.1	27.1	63.3	28.1	25.1
55°	18.1	19.1	34.1	20.1	19.1
57.5°	14.1	15.1	18.1	15.1	14.1
60°	11.0	11.0	13.1	12.1	11.0
62.5°	8.0	8.0	9.0	8.0	8.0
65°	6.0	6.0	6.0	6.0	6.0
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)