

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: P794016

Luminaire Tested: LER6D55D010-EC6DR6055659024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D55D010-EC6DR6055659024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5595.1 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

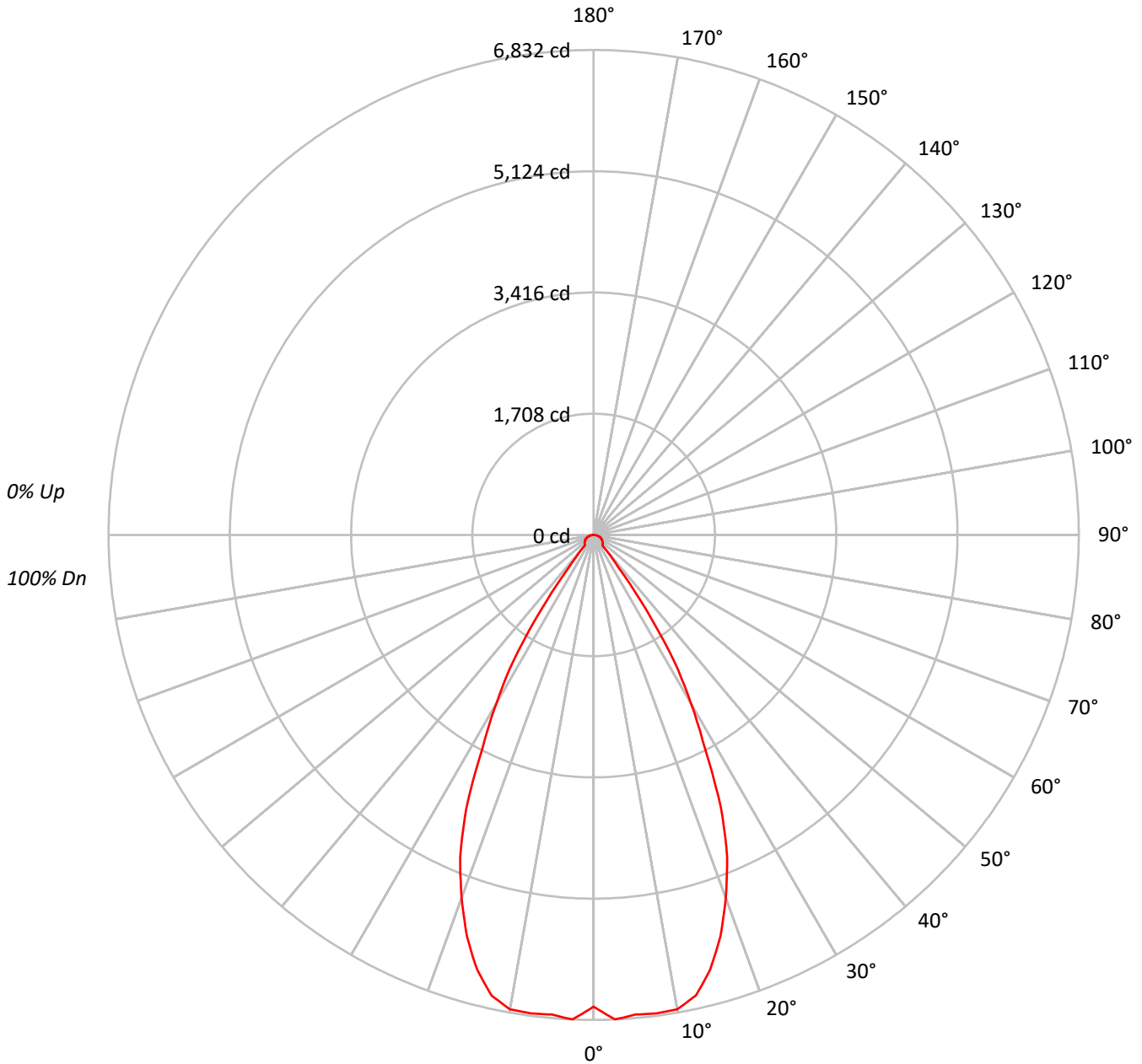
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P794016
CATALOG NUMBER: LER6D55D010-EC6DR6055659024-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P794016

CATALOG NUMBER: LER6D55D010-EC6DR6055659024-6LBDP1H

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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	726027
5°	743881
10°	752870
15°	717206
20°	632350
25°	511470
30°	345965
35°	173371
40°	28127
45°	27520
50°	28081
55°	28497
60°	29282
65°	29964
70°	30668
75°	31028
80°	29950
85°	24947

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 31028 cd/sqm



TEST NUMBER: P794016

CATALOG NUMBER: LER6D55D010-EC6DR6055659024-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.2	11.6
10°-20°	1753.8	31.3
20°-30°	1887.0	33.7
30°-40°	820.2	14.7
40°-50°	137.8	2.5
50°-60°	133.9	2.4
60°-70°	114.6	2.0
70°-80°	76.6	1.4
80°-90°	22.9	0.4
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°	4289.0	76.7
0°-40°	5109.2	91.3
0°-60°	5381.0	96.2
0°-90°	5595.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5595.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6645	
5°	6782	648
15°	6340	1754
25°	4243	1887
35°	1300	820
45°	178	138
55°	150	134
65°	116	115
75°	74	77
85°	20	23
90°	0	



TEST NUMBER: P794016

CATALOG NUMBER: LER6D55D010-EC6DR6055659024-6LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	6644.9
2.5°	6831.7
5°	6782.4
7.5°	6798.0
10°	6785.9
12.5°	6645.8
15°	6340.5
17.5°	5930.6
20°	5438.5
22.5°	4911.9
25°	4242.6
27.5°	3393.4
30°	2742.2
32.5°	2113.5
35°	1299.8
37.5°	556.0
40°	197.2
42.5°	181.6
45°	178.1
47.5°	172.1
50°	165.2
52.5°	157.4
55°	149.6
57.5°	141.8
60°	134.0
62.5°	125.4
65°	115.9
67.5°	106.4
70°	96.0
72.5°	84.7
75°	73.5
77.5°	60.5
80°	47.6
82.5°	33.7
85°	19.9
87.5°	6.9
90°	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



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

Scaled Data Report



— 0°-180°

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)