

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: P794042

Luminaire Tested: LER6D55D010-EC6DR6055659035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794042
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-EC6DR6055659035-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5975.5 lumens
Efficiency: N/A
Efficacy: 102.7 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

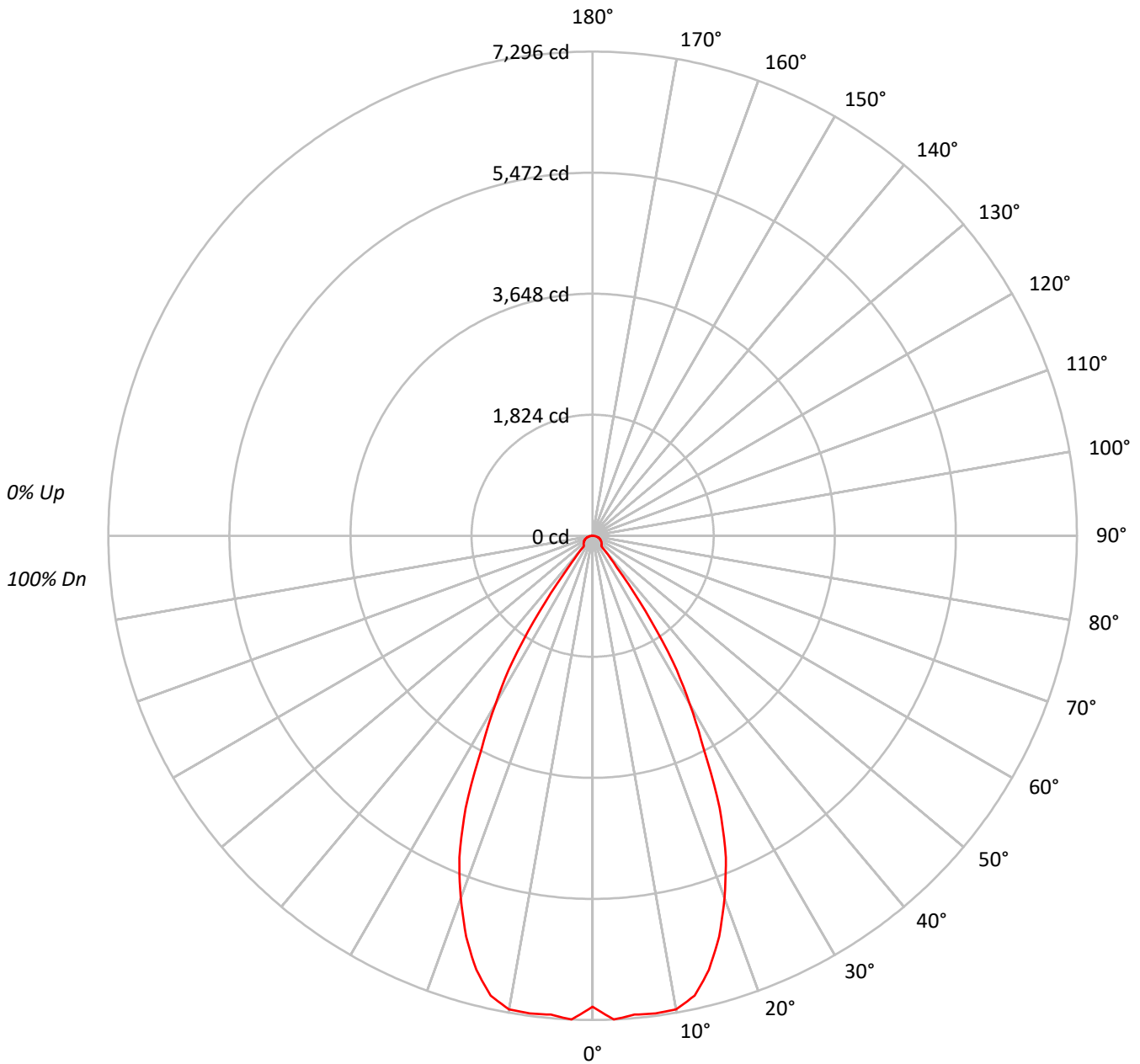
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P794042
CATALOG NUMBER: LER6D55D010-EC6DR6055659035-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P794042

CATALOG NUMBER: LER6D55D010-EC6DR6055659035-6LBDP1MW

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°	775391
5°	794453
10°	804050
15°	765970
20°	675348
25°	546239
30°	369482
35°	185149
40°	30038
45°	29405
50°	29984
55°	30440
60°	31292
65°	32006
70°	32744
75°	33139
80°	31964
85°	26577

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 33139 cd/sqm



TEST NUMBER: P794042

CATALOG NUMBER: LER6D55D010-EC6DR6055659035-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.3	11.6
10°-20°	1873.1	31.3
20°-30°	2015.3	33.7
30°-40°	876.0	14.7
40°-50°	147.1	2.5
50°-60°	143.1	2.4
60°-70°	122.4	2.0
70°-80°	81.9	1.4
80°-90°	24.5	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°	4580.6	76.7
0°-40°	5456.6	91.3
0°-60°	5746.8	96.2
0°-90°	5975.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5975.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7097	
5°	7244	692
15°	6772	1873
25°	4531	2015
35°	1388	876
45°	190	147
55°	160	143
65°	124	122
75°	78	82
85°	21	24
90°	0	



TEST NUMBER: P794042

CATALOG NUMBER: LER6D55D010-EC6DR6055659035-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	7096.7
2.5°	7296.2
5°	7243.5
7.5°	7260.2
10°	7247.2
12.5°	7097.6
15°	6771.6
17.5°	6333.8
20°	5808.3
22.5°	5245.9
25°	4531.0
27.5°	3624.1
30°	2928.6
32.5°	2257.2
35°	1388.1
37.5°	593.9
40°	210.6
42.5°	193.9
45°	190.3
47.5°	183.8
50°	176.4
52.5°	168.1
55°	159.8
57.5°	151.5
60°	143.2
62.5°	133.9
65°	123.8
67.5°	113.6
70°	102.5
72.5°	90.5
75°	78.5
77.5°	64.6
80°	50.8
82.5°	36.0
85°	21.2
87.5°	7.4
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)