

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: P795080

Luminaire Tested: LER6D65D010-EC6DR7055659027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P795080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D65D010-EC6DR7055659027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7758.8 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

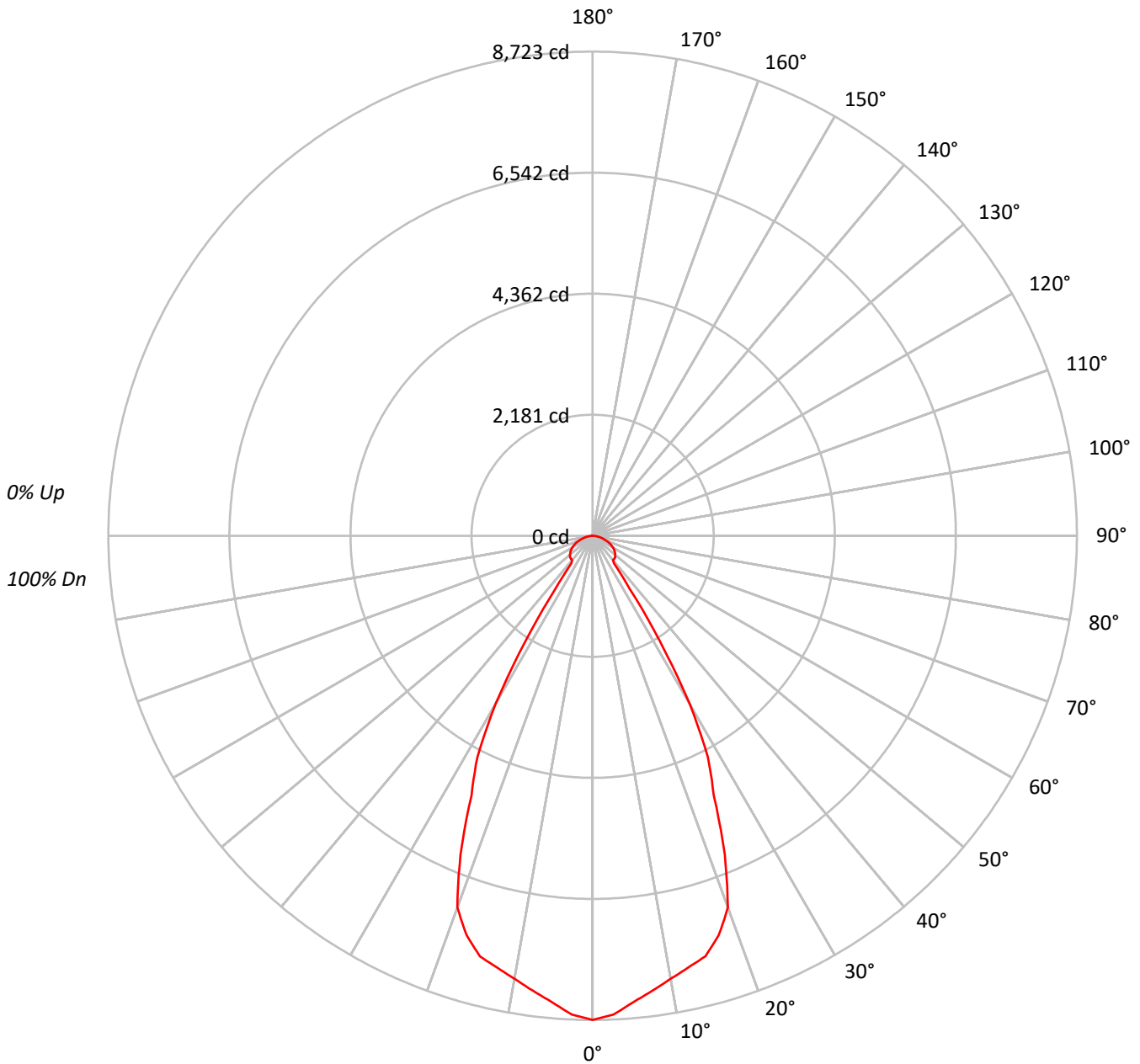
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P795080
CATALOG NUMBER: LER6D65D010-EC6DR7055659027-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P795080

CATALOG NUMBER: LER6D65D010-EC6DR7055659027-6LBDP1H

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																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	953092
5°	924773
10°	898998
15°	887195
20°	828456
25°	622382
30°	439970
35°	155844
40°	81941
45°	87287
50°	90378
55°	92083
60°	92653
65°	90693
70°	85583
75°	79280
80°	70408
85°	57165

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 92688 cd/sqm



TEST NUMBER: P795080

CATALOG NUMBER: LER6D65D010-EC6DR7055659027-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	795.3	10.3
10°-20°	2181.4	28.1
20°-30°	2402.6	31.0
30°-40°	918.0	11.8
40°-50°	433.4	5.6
50°-60°	430.9	5.6
60°-70°	345.0	4.4
70°-80°	198.3	2.6
80°-90°	53.9	0.7
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°	5379.3	69.3
0°-40°	6297.2	81.2
0°-60°	7161.6	92.3
0°-90°	7758.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7758.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8723	
5°	8432	795
15°	7843	2181
25°	5163	2403
35°	1168	918
45°	565	433
55°	483	431
65°	351	345
75°	188	198
85°	46	54
90°	0	



TEST NUMBER: P795080

CATALOG NUMBER: LER6D65D010-EC6DR7055659027-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	8723.1
2.5°	8631.9
5°	8431.7
7.5°	8264.6
10°	8103.0
12.5°	7966.2
15°	7843.3
17.5°	7546.4
20°	7125.1
22.5°	6216.4
25°	5162.6
27.5°	4494.1
30°	3487.3
32.5°	2252.6
35°	1168.4
37.5°	631.2
40°	574.5
42.5°	570.4
45°	564.9
47.5°	552.4
50°	531.7
52.5°	508.2
55°	483.4
57.5°	455.8
60°	424.0
62.5°	388.1
65°	350.8
67.5°	309.4
70°	267.9
72.5°	226.5
75°	187.8
77.5°	147.8
80°	111.9
82.5°	78.7
85°	45.6
87.5°	18.0
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)