

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: P795114

Luminaire Tested: LER6D65D010-EC6DR7055659050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P795114
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-EC6DR7055659050-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6651.4 lumens
Efficiency: N/A
Efficacy: 91.4 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

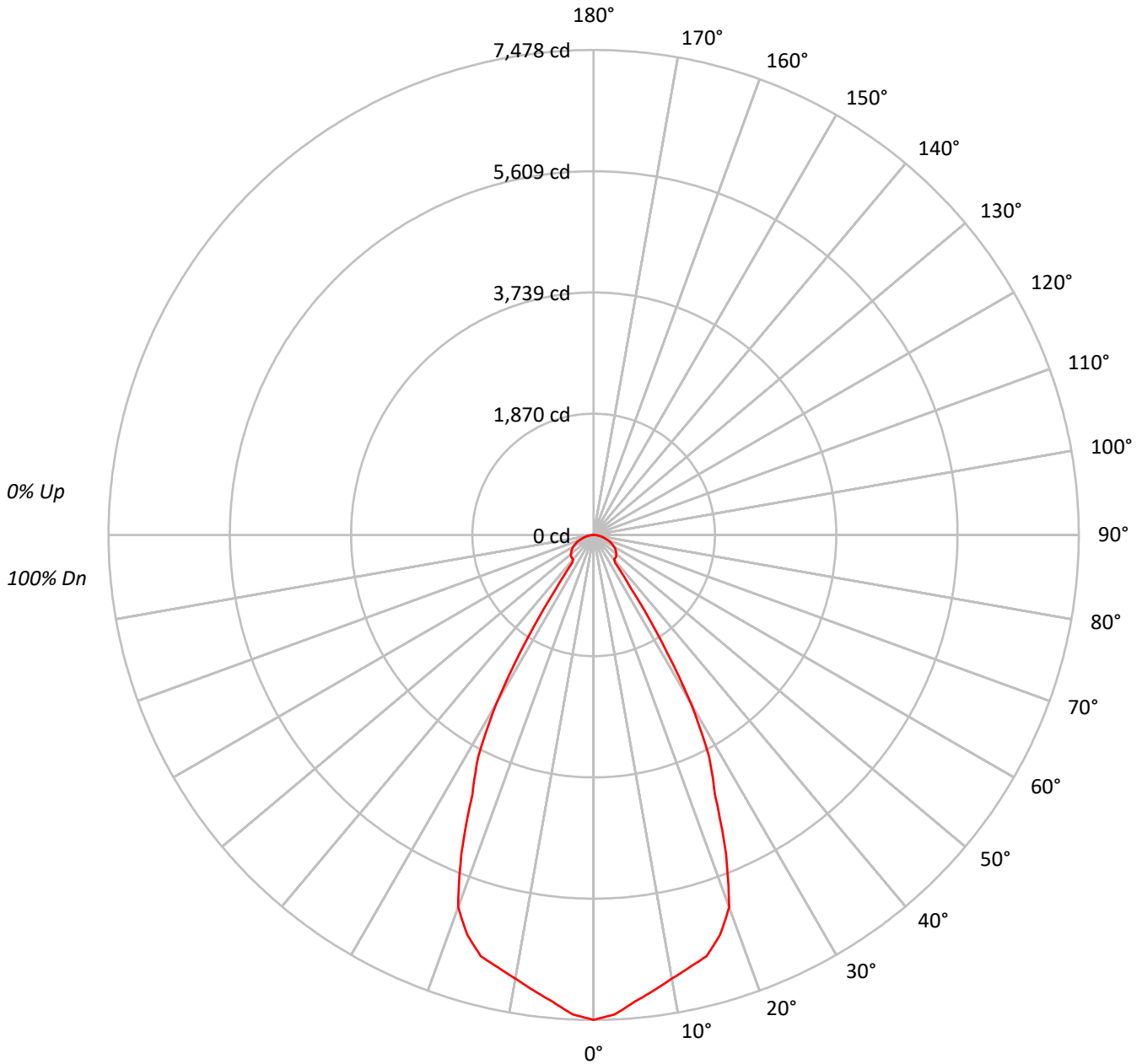
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P795114
CATALOG NUMBER: LER6D65D010-EC6DR7055659050-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P795114

CATALOG NUMBER: LER6D65D010-EC6DR7055659050-6LBDP1MW

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																			
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°	817063
5°	792775
10°	770677
15°	760574
20°	710218
25°	533544
30°	377178
35°	133610
40°	70245
45°	74833
50°	77477
55°	78939
60°	79433
65°	77741
70°	73379
75°	67966
80°	60341
85°	49017

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 79449 cd/sqm



TEST NUMBER: P795114

CATALOG NUMBER: LER6D65D010-EC6DR7055659050-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.8	10.3
10°-20°	1870.1	28.1
20°-30°	2059.6	31.0
30°-40°	786.9	11.8
40°-50°	371.6	5.6
50°-60°	369.4	5.6
60°-70°	295.7	4.4
70°-80°	170.0	2.6
80°-90°	46.2	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°	4611.5	69.3
0°-40°	5398.5	81.2
0°-60°	6139.4	92.3
0°-90°	6651.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6651.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7478	
5°	7228	682
15°	6724	1870
25°	4426	2060
35°	1002	787
45°	484	372
55°	414	369
65°	301	296
75°	161	170
85°	39	46
90°	0	



TEST NUMBER: P795114

CATALOG NUMBER: LER6D65D010-EC6DR7055659050-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	7478.1
2.5°	7399.9
5°	7228.2
7.5°	7085.0
10°	6946.4
12.5°	6829.2
15°	6723.9
17.5°	6469.3
20°	6108.2
22.5°	5329.1
25°	4425.7
27.5°	3852.7
30°	2989.6
32.5°	1931.1
35°	1001.7
37.5°	541.1
40°	492.5
42.5°	489.0
45°	484.3
47.5°	473.6
50°	455.8
52.5°	435.7
55°	414.4
57.5°	390.7
60°	363.5
62.5°	332.7
65°	300.7
67.5°	265.2
70°	229.7
72.5°	194.2
75°	161.0
77.5°	126.7
80°	95.9
82.5°	67.5
85°	39.1
87.5°	15.4
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)