

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: P795017

Luminaire Tested: LER6D65D010-EC6DR6055659050-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P795017  
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: LER6D65D010-EC6DR6055659050-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8883.0 lumens  
Efficiency: N/A  
Efficacy: 122.0 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

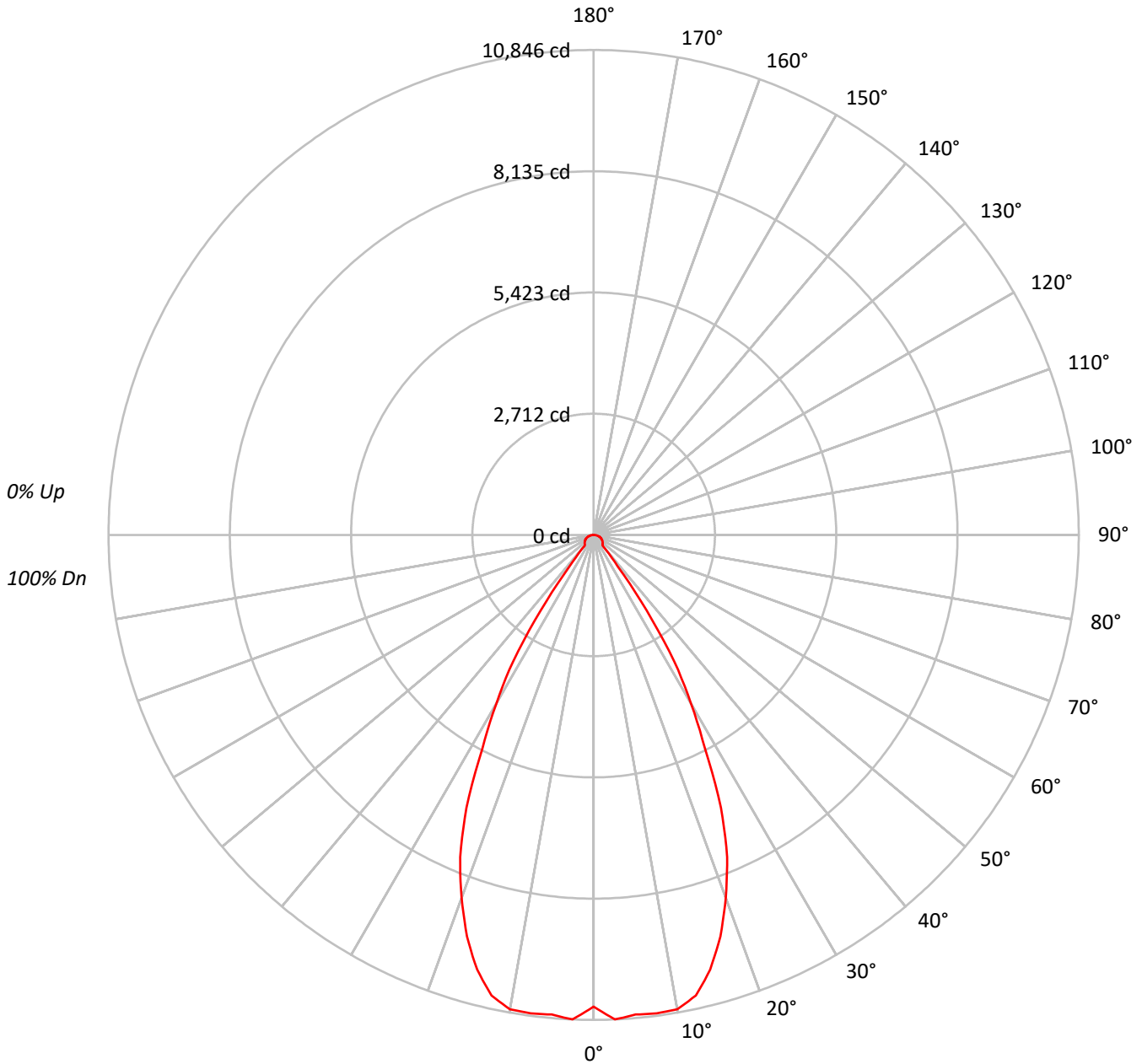
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P795017  
CATALOG NUMBER: LER6D65D010-EC6DR6055659050-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P795017

CATALOG NUMBER: LER6D65D010-EC6DR6055659050-6LBDP1LI

**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°	1152668
5°	1181014
10°	1195269
15°	1138661
20°	1003946
25°	812016
30°	549265
35°	275235
40°	44643
45°	43698
50°	44569
55°	45241
60°	46501
65°	47570
70°	48685
75°	49265
80°	47505
85°	39615

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 49265 cd/sqm



TEST NUMBER: P795017

CATALOG NUMBER: LER6D65D010-EC6DR6055659050-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1029.1	11.6
10°-20°	2784.4	31.3
20°-30°	2995.8	33.7
30°-40°	1302.2	14.7
40°-50°	218.7	2.5
50°-60°	212.7	2.4
60°-70°	181.9	2.0
70°-80°	121.7	1.4
80°-90°	36.4	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°	6809.4	76.7
0°-40°	8111.6	91.3
0°-60°	8542.9	96.2
0°-90°	8883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8883.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10550	
5°	10768	###
15°	10066	2784
25°	6736	2996
35°	2064	1302
45°	283	219
55°	238	213
65°	184	182
75°	117	122
85°	32	36
90°	0	



TEST NUMBER: P795017

CATALOG NUMBER: LER6D65D010-EC6DR6055659050-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10549.7
2.5°	10846.2
5°	10768.0
7.5°	10792.7
10°	10773.4
12.5°	10551.0
15°	10066.4
17.5°	9415.6
20°	8634.4
22.5°	7798.3
25°	6735.6
27.5°	5387.4
30°	4353.6
32.5°	3355.5
35°	2063.5
37.5°	882.8
40°	313.0
42.5°	288.3
45°	282.8
47.5°	273.2
50°	262.2
52.5°	249.9
55°	237.5
57.5°	225.2
60°	212.8
62.5°	199.1
65°	184.0
67.5°	168.9
70°	152.4
72.5°	134.5
75°	116.7
77.5°	96.1
80°	75.5
82.5°	53.5
85°	31.6
87.5°	11.0
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)