

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: P795087

Luminaire Tested: LER6D65D010-EC6DR7055659030-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P795087  
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-EC6DR7055659030-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4650.6 lumens  
Efficiency: N/A  
Efficacy: 63.9 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

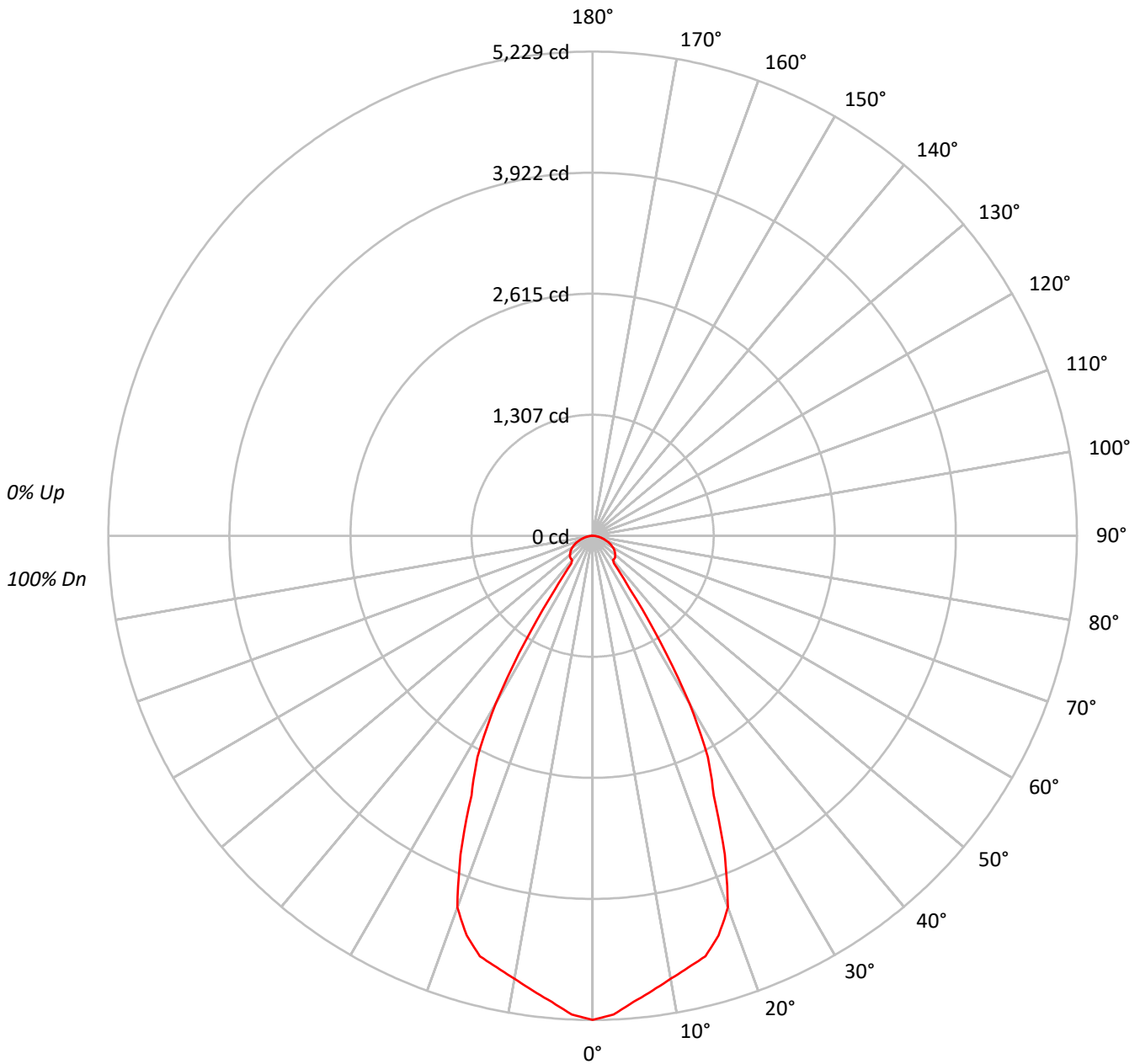
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P795087  
CATALOG NUMBER: LER6D65D010-EC6DR7055659030-6LBPD1B

### Luminous Intensity Polar Plot





TEST NUMBER: P795087

CATALOG NUMBER: LER6D65D010-EC6DR7055659030-6LBDP1B

**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°	571292
5°	554313
10°	538866
15°	531788
20°	496578
25°	373060
30°	263719
35°	93421
40°	49122
45°	52320
50°	54172
55°	55185
60°	55526
65°	54369
70°	51305
75°	47534
80°	42220
85°	34224

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 55556 cd/sqm



TEST NUMBER: P795087

CATALOG NUMBER: LER6D65D010-EC6DR7055659030-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	476.7	10.3
10°-20°	1307.6	28.1
20°-30°	1440.1	31.0
30°-40°	550.2	11.8
40°-50°	259.8	5.6
50°-60°	258.3	5.6
60°-70°	206.8	4.4
70°-80°	118.9	2.6
80°-90°	32.3	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°	3224.4	69.3
0°-40°	3774.6	81.2
0°-60°	4292.6	92.3
0°-90°	4650.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4650.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5229	
5°	5054	477
15°	4701	1308
25°	3094	1440
35°	700	550
45°	339	260
55°	290	258
65°	210	207
75°	113	119
85°	27	32
90°	0	



TEST NUMBER: P795087

CATALOG NUMBER: LER6D65D010-EC6DR7055659030-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5228.7
2.5°	5174.0
5°	5054.0
7.5°	4953.8
10°	4857.0
12.5°	4775.0
15°	4701.3
17.5°	4523.3
20°	4270.8
22.5°	3726.1
25°	3094.5
27.5°	2693.8
30°	2090.3
32.5°	1350.2
35°	700.4
37.5°	378.3
40°	344.4
42.5°	341.9
45°	338.6
47.5°	331.1
50°	318.7
52.5°	304.6
55°	289.7
57.5°	273.2
60°	254.1
62.5°	232.6
65°	210.3
67.5°	185.4
70°	160.6
72.5°	135.8
75°	112.6
77.5°	88.6
80°	67.1
82.5°	47.2
85°	27.3
87.5°	10.8
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)