

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: P795105

Luminaire Tested: LER6D65D010-EC6DR7055659040-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P795105  
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-EC6DR7055659040-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8877.9 lumens  
Efficiency: N/A  
Efficacy: 121.9 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

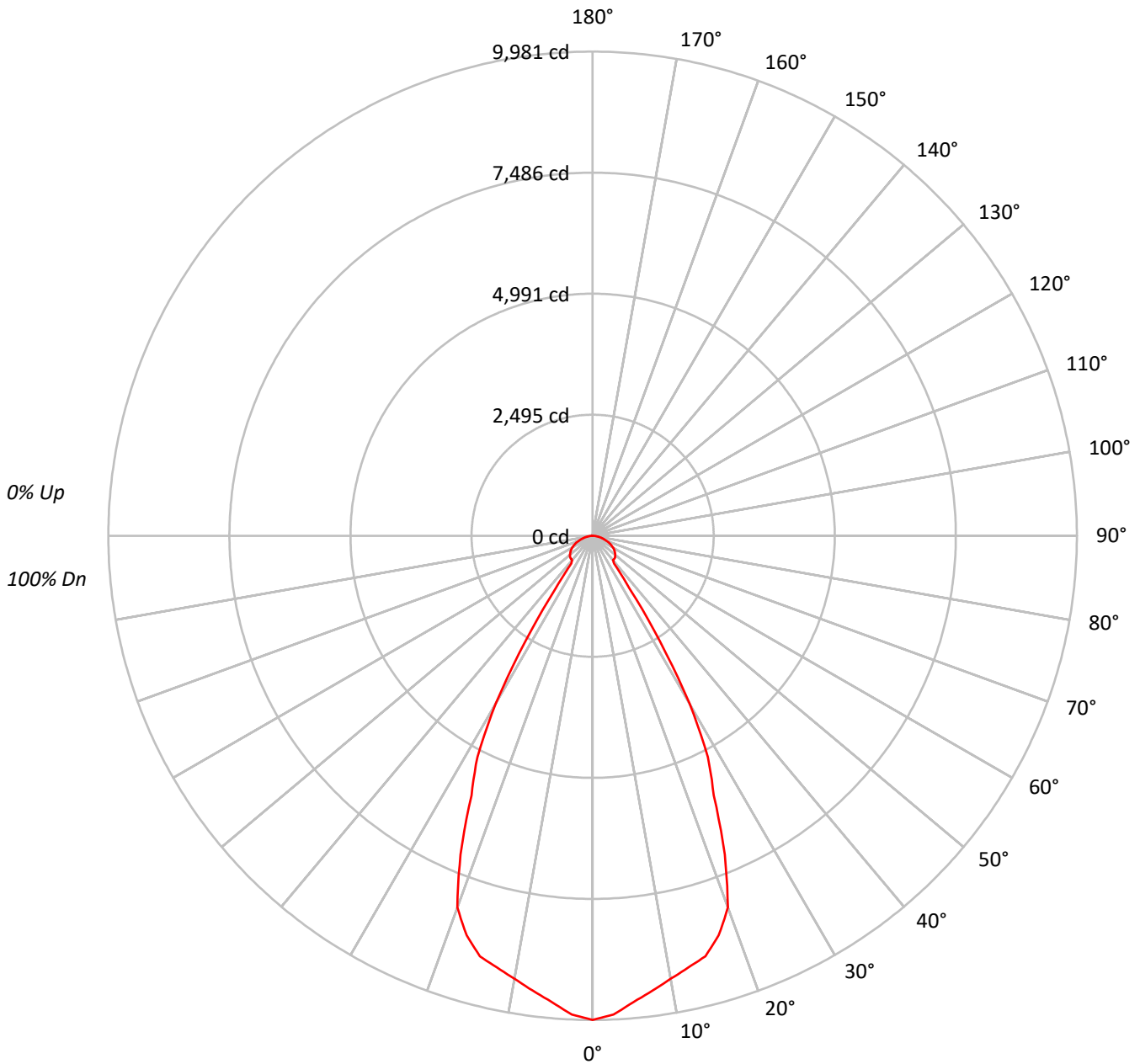
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**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°	1090553
5°	1058152
10°	1028661
15°	1015162
20°	947949
25°	712148
30°	503430
35°	178319
40°	93765
45°	99865
50°	103416
55°	105360
60°	106027
65°	103775
70°	97946
75°	90720
80°	80539
85°	65439

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 106048 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	910.0	10.3
10°-20°	2496.1	28.1
20°-30°	2749.1	31.0
30°-40°	1050.3	11.8
40°-50°	495.9	5.6
50°-60°	493.1	5.6
60°-70°	394.8	4.4
70°-80°	226.9	2.6
80°-90°	61.7	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°	6155.1	69.3
0°-40°	7205.5	81.2
0°-60°	8194.5	92.3
0°-90°	8877.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8877.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9981	
5°	9648	910
15°	8975	2496
25°	5907	2749
35°	1337	1050
45°	646	496
55°	553	493
65°	401	395
75°	215	227
85°	52	62
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9981.2
2.5°	9876.9
5°	9647.8
7.5°	9456.6
10°	9271.7
12.5°	9115.2
15°	8974.6
17.5°	8634.8
20°	8152.8
22.5°	7113.0
25°	5907.2
27.5°	5142.3
30°	3990.3
32.5°	2577.5
35°	1336.9
37.5°	722.2
40°	657.4
42.5°	652.7
45°	646.3
47.5°	632.1
50°	608.4
52.5°	581.6
55°	553.1
57.5°	521.5
60°	485.2
62.5°	444.1
65°	401.4
67.5°	354.0
70°	306.6
72.5°	259.2
75°	214.9
77.5°	169.1
80°	128.0
82.5°	90.1
85°	52.2
87.5°	20.5
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

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— 0°-180°

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(END OF REPORT)