

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: P785768

Luminaire Tested: LERS6D05D010-EC6DR350210IC9027-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P785768  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LERS6D05D010-EC6DR350210IC9027-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1044.9 lumens  
Efficiency: N/A  
Efficacy: 139.3 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.5  
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

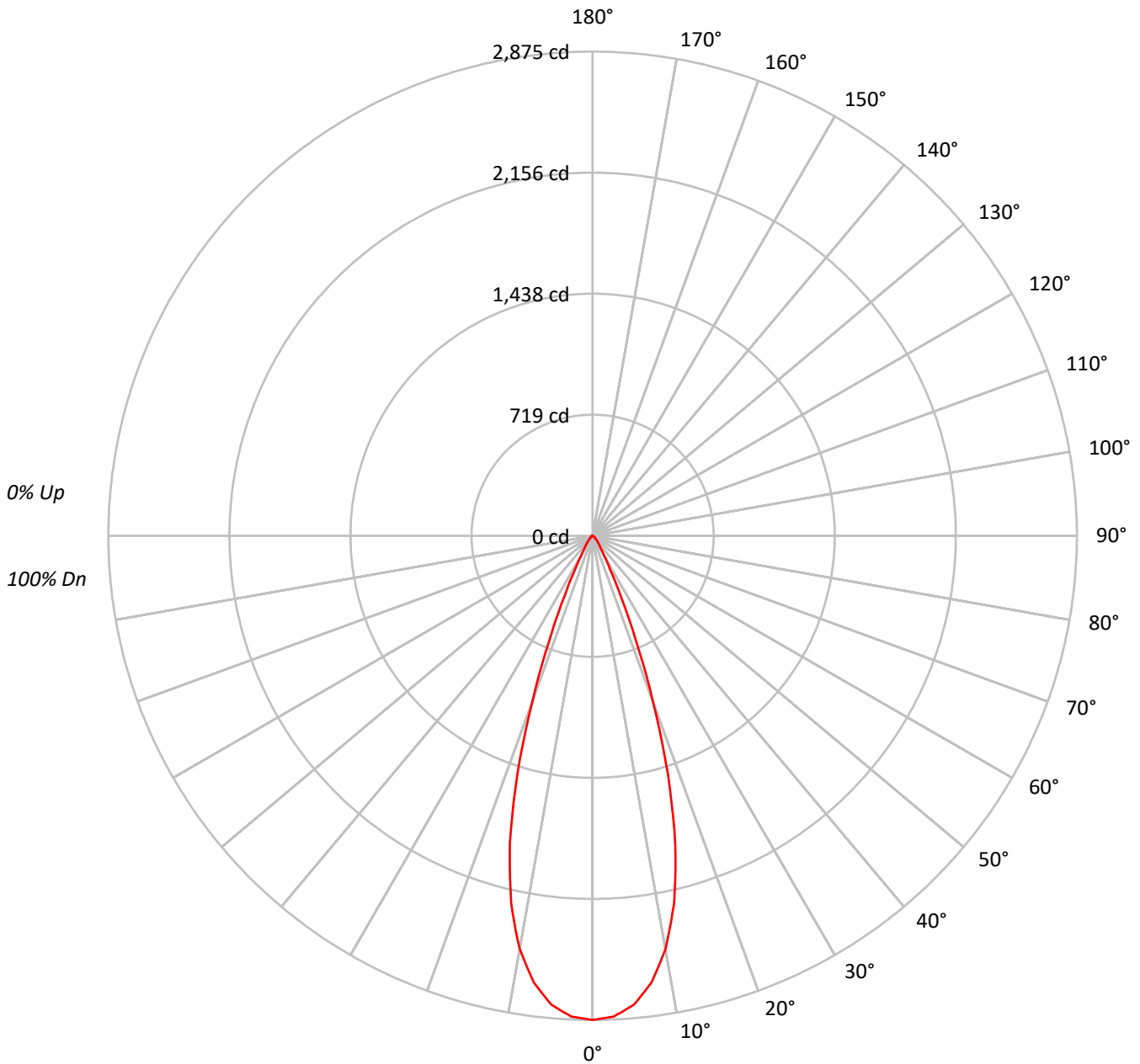


Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96									96																		
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92									92																		
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88									88																		
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84									84																		
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81									81																		
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78									78																		
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75									75																		
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72									72																		
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70									70																		
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68									68																		

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	314114
5°	306726
10°	276445
15°	214568
20°	121703
25°	47342
30°	17663
35°	9684
40°	6333
45°	3847
50°	2448
55°	1733
60°	1267
65°	698
70°	64
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3847 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	257.2	24.6
10°-20°	502.2	48.1
20°-30°	204.8	19.6
30°-40°	49.0	4.7
40°-50°	20.4	2.0
50°-60°	8.5	0.8
60°-70°	2.6	0.3
70°-80°	0.1	0.0
80°-90°	0.1	0.0
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°	964.2	92.3
0°-40°	1013.2	97.0
0°-60°	1042.1	99.7
0°-90°	1044.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1044.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2875	
5°	2797	257
15°	1897	502
25°	393	205
35°	73	49
45°	25	20
55°	9	8
65°	3	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2874.9
2.5°	2857.6
5°	2796.6
7.5°	2675.0
10°	2491.7
12.5°	2233.7
15°	1896.9
17.5°	1485.0
20°	1046.7
22.5°	667.4
25°	392.7
27.5°	222.0
30°	140.0
32.5°	98.3
35°	72.6
37.5°	56.1
40°	44.4
42.5°	34.2
45°	24.9
47.5°	18.7
50°	14.4
52.5°	11.4
55°	9.1
57.5°	7.4
60°	5.8
62.5°	4.2
65°	2.7
67.5°	0.9
70°	0.2
72.5°	0.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.2
85°	0.0
87.5°	0.0
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

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— 0°-180°

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(END OF REPORT)