

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: P786927

Luminaire Tested: LER6D02D010-EC6DR150210IC9024-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P786927  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D02D010-EC6DR150210IC9024-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 298.4 lumens  
Efficiency: N/A  
Efficacy: 58.5 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

Input Watts (W): 5.1  
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

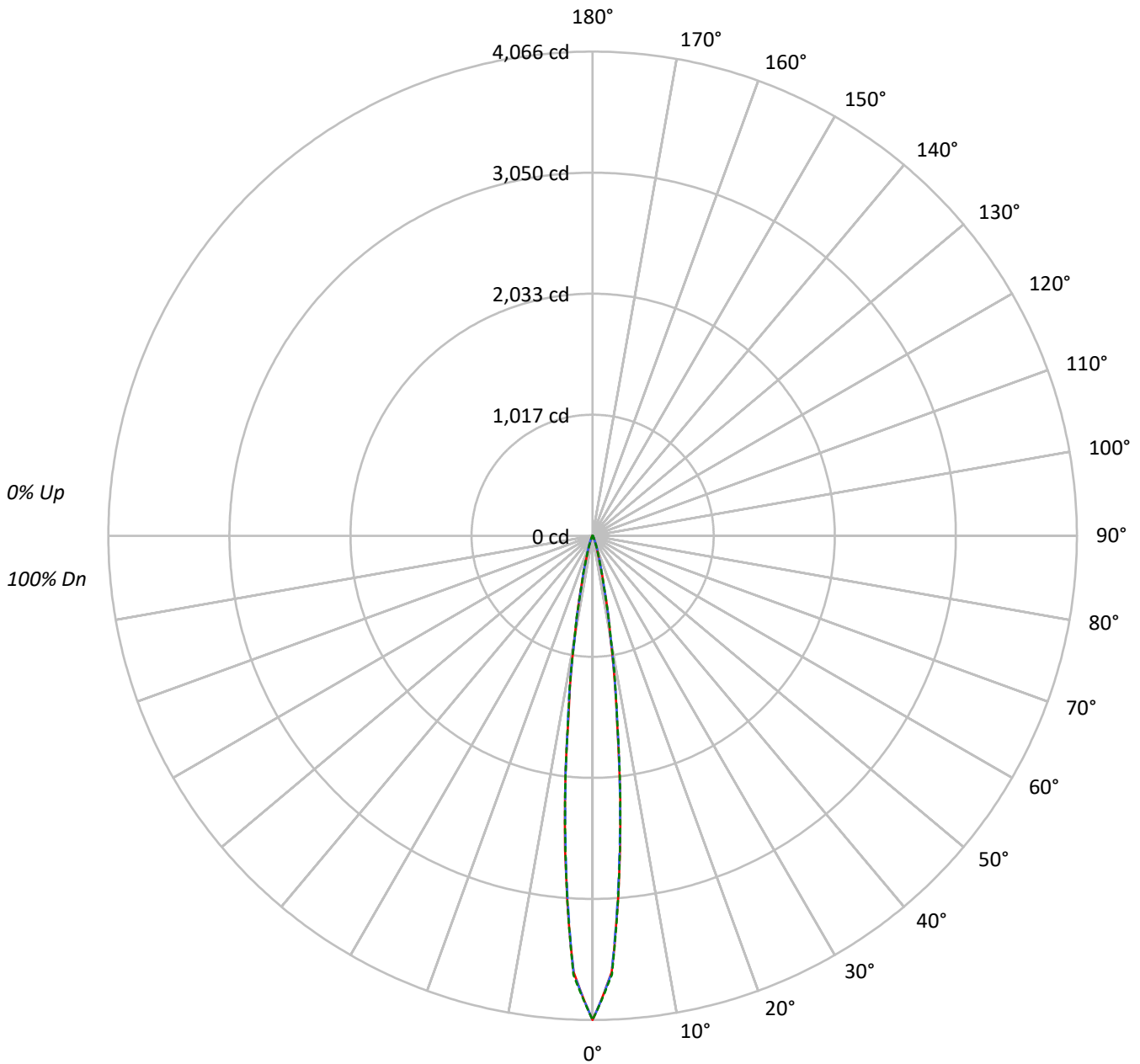


Downlight

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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				100															
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98				98															
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96				96															
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94				94															
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93				93															
5	106	101	98	95	104	100	97	95	99	96	94	97	95	93	96	94	92	92				92															
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90				90															
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89				89															
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88				88															
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87				87															
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86				86															

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

	0°	45°	90°
0°	457540	457540	457540
5°	268869	265394	267487
10°	80245	80804	82045
15°	19960	20351	19725
20°	5973	6914	6096
25°	2103	2680	2134
30°	771	1018	786
35°	385	436	378
40°	241	270	241
45°	182	196	182
50°	146	146	146
55°	118	118	118
60°	98	98	98
65°	71	71	71
70°	66	66	66
75°	38	38	53
80°	24	24	24
85°	17	17	17

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 196 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.6	64.9
10°-20°	79.6	26.7
20°-30°	15.8	5.3
30°-40°	3.9	1.3
40°-50°	2.1	0.7
50°-60°	1.5	0.5
60°-70°	1.1	0.4
70°-80°	0.6	0.2
80°-90°	0.2	0.1
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°	289.0	96.8
0°-40°	292.9	98.2
0°-60°	296.5	99.4
0°-90°	298.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	298.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4066	4066	4066	4066	4066	
5°	2646	2618	2611	2629	2632	193
15°	230	234	234	230	227	79
25°	27	31	34	30	27	14
35°	5	6	6	6	5	4
45°	3	3	3	3	3	2
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4066.3	4066.3	4066.3	4066.3	4066.3
2.5°	3668.0	3671.1	3672.3	3675.9	3689.3
5°	2645.6	2618.4	2611.4	2629.4	2632.0
7.5°	1567.2	1572.7	1592.8	1597.3	1581.1
10°	860.0	867.1	866.0	872.2	879.3
12.5°	439.8	434.3	432.6	439.6	429.8
15°	229.8	234.1	234.3	230.2	227.1
17.5°	123.6	128.6	136.9	130.1	119.8
20°	73.0	77.5	84.5	79.0	74.5
22.5°	45.1	48.7	53.7	49.4	45.8
25°	27.0	30.6	34.4	30.5	27.4
27.5°	16.0	19.1	21.5	18.9	15.8
30°	10.3	12.0	13.6	11.9	10.5
32.5°	7.2	7.9	8.6	7.9	7.2
35°	5.3	5.7	6.0	5.7	5.2
37.5°	4.1	4.5	4.6	4.3	4.0
40°	3.4	3.6	3.8	3.6	3.4
42.5°	2.9	3.1	3.1	3.1	2.9
45°	2.6	2.6	2.8	2.6	2.6
47.5°	2.2	2.2	2.4	2.2	2.2
50°	2.1	2.1	2.1	2.1	2.1
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.5	0.5	0.5	0.5	0.7
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)