

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



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: P791821

Luminaire Tested: LER6D35BD010-EC6DR3020359027-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791821  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D35BD010-EC6DR3020359027-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3984.1 lumens  
Efficiency: N/A  
Efficacy: 129.4 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

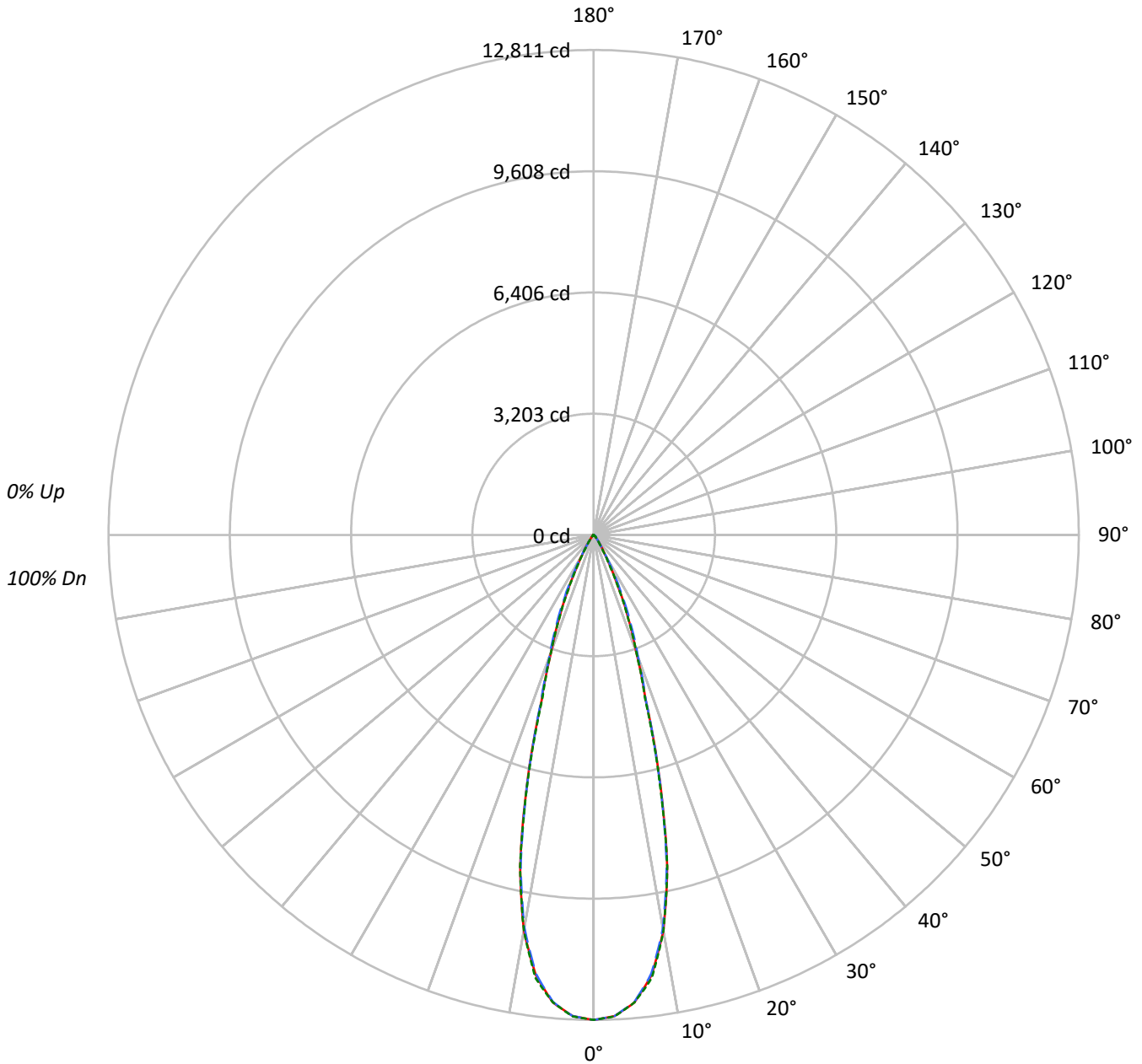
Input Watts (W): 30.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

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

	0°	45°	90°
0°	980574	980574	980574
5°	952426	951311	952472
10°	824949	819128	824747
15°	538238	535346	532651
20°	267639	277683	267281
25°	134818	152030	132056
30°	53977	58811	47029
35°	25033	23977	20099
40°	10811	12000	10182
45°	7621	9461	7696
50°	2620	6895	2775
55°	1508	2856	1601
60°	1056	1255	1056
65°	688	688	688
70°	425	291	425
75°	0	177	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 9461 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1126.5	28.3
10°-20°	1814.3	45.5
20°-30°	784.0	19.7
30°-40°	178.7	4.5
40°-50°	61.3	1.5
50°-60°	15.0	0.4
60°-70°	3.9	0.1
70°-80°	0.4	0.0
80°-90°	0.0	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°	3724.8	93.5
0°-40°	3903.4	98.0
0°-60°	3979.8	99.9
0°-90°	3984.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3984.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12811	12811	12811	12811	12811	
5°	12396	12384	12381	12407	12396	1127
15°	6792	6710	6756	6734	6722	1819
25°	1596	1657	1800	1614	1564	764
35°	268	274	257	255	215	182
45°	70	87	87	87	71	50
55°	11	12	21	13	12	11
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	12810.7	12810.7	12810.7	12810.7	12810.7
2.5°	12725.8	12717.0	12722.0	12728.3	12730.9
5°	12395.6	12383.7	12381.1	12406.9	12396.2
7.5°	11729.5	11712.6	11686.8	11745.3	11800.0
10°	10613.8	10594.9	10538.9	10566.6	10611.2
12.5°	8966.5	8905.5	8904.2	8992.3	8980.3
15°	6792.2	6710.4	6755.7	6733.7	6721.7
17.5°	4567.5	4536.1	4596.5	4578.2	4499.6
20°	3285.7	3293.9	3409.0	3351.1	3281.3
22.5°	2397.6	2427.2	2563.7	2414.6	2359.9
25°	1596.3	1656.7	1800.1	1614.5	1563.6
27.5°	981.8	1009.5	1154.8	969.2	941.6
30°	610.7	596.9	665.4	571.1	532.1
32.5°	400.6	383.0	405.1	363.5	332.1
35°	267.9	273.6	256.6	254.7	215.1
37.5°	167.3	192.5	169.8	181.1	138.4
40°	108.2	139.6	120.1	132.7	101.9
42.5°	88.7	107.6	98.7	105.0	90.6
45°	70.4	87.4	87.4	87.4	71.1
47.5°	39.0	58.5	74.8	59.8	41.5
50°	22.0	29.6	57.9	30.8	23.3
52.5°	15.1	17.0	39.6	17.6	15.7
55°	11.3	12.0	21.4	12.6	12.0
57.5°	8.8	9.4	11.3	9.4	8.8
60°	6.9	6.9	8.2	7.5	6.9
62.5°	5.0	5.0	5.7	5.0	5.0
65°	3.8	3.8	3.8	3.8	3.8
67.5°	1.9	2.5	2.5	2.5	2.5
70°	1.9	1.3	1.3	1.3	1.9
72.5°	1.3	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report







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

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(END OF REPORT)