

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: P791862

Luminaire Tested: LER6D35BD010-EC6DR3520359024-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791862  
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: LER6D35BD010-EC6DR3520359024-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3114.5 lumens  
Efficiency: N/A  
Efficacy: 101.1 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

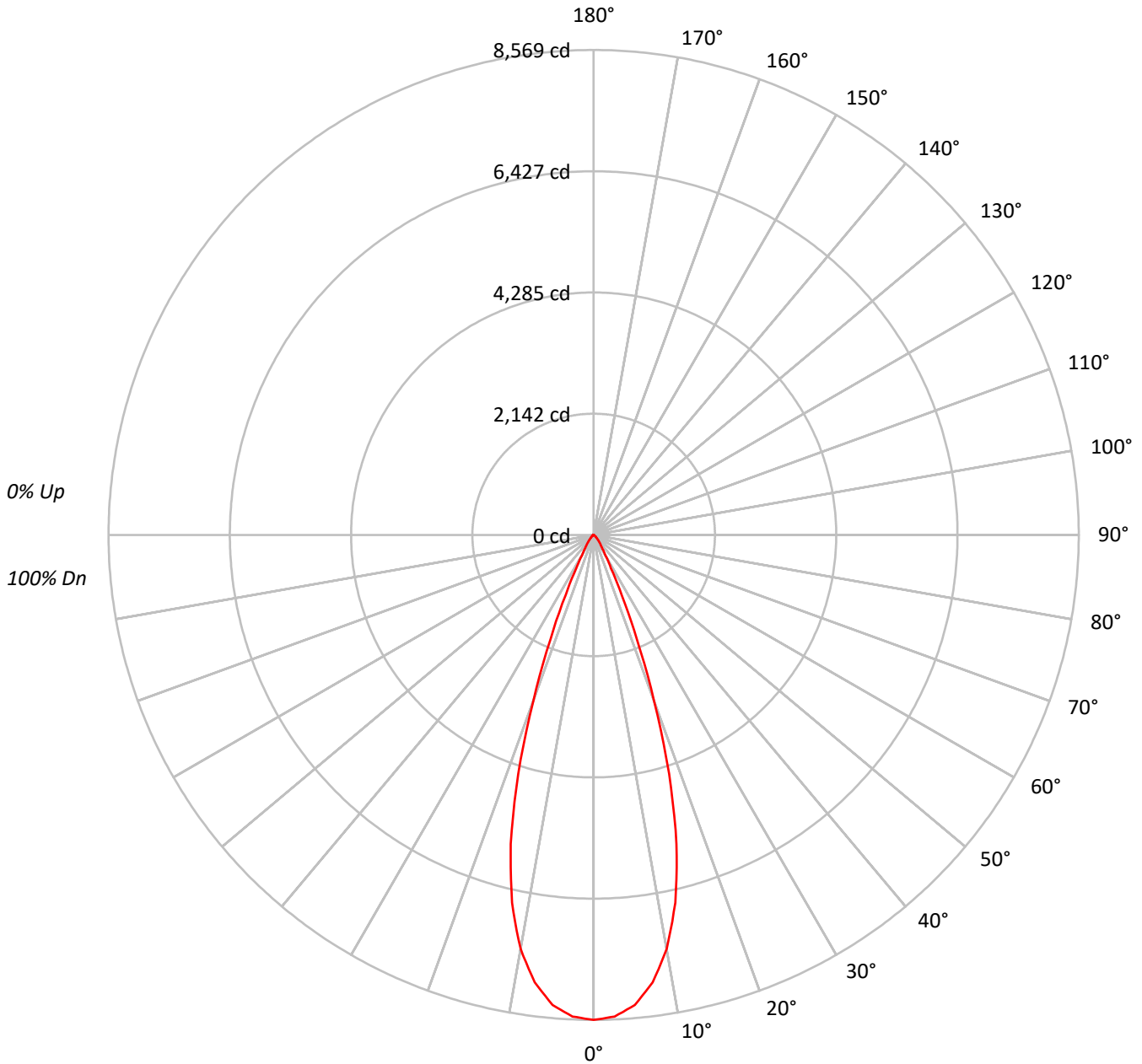
Input Watts (W): 30.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									20																	
RC	80									70									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																																				
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96																																				
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92																																				
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88																																				
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84																																				
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81																																				
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78																																				
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75																																				
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72																																				
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70																																				
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68																																				

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

	0°
0°	936288
5°	914299
10°	824020
15°	639575
20°	362760
25°	141135
30°	52648
35°	28864
40°	18870
45°	11481
50°	7309
55°	5162
60°	3780
65°	2042
70°	160
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 11481 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	766.7	24.6
10°-20°	1496.9	48.1
20°-30°	610.5	19.6
30°-40°	146.1	4.7
40°-50°	60.9	2.0
50°-60°	25.2	0.8
60°-70°	7.9	0.3
70°-80°	0.2	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°	2874.1	92.3
0°-40°	3020.2	97.0
0°-60°	3106.3	99.7
0°-90°	3114.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3114.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8569	
5°	8336	767
15°	5654	1497
25°	1171	610
35°	216	146
45°	74	61
55°	27	25
65°	8	8
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8569.3
2.5°	8517.9
5°	8336.2
7.5°	7973.5
10°	7427.2
12.5°	6658.0
15°	5654.2
17.5°	4426.5
20°	3119.9
22.5°	1989.4
25°	1170.7
27.5°	661.7
30°	417.3
32.5°	293.0
35°	216.4
37.5°	167.3
40°	132.3
42.5°	101.9
45°	74.3
47.5°	55.6
50°	43.0
52.5°	34.1
55°	27.1
57.5°	22.0
60°	17.3
62.5°	12.6
65°	7.9
67.5°	2.8
70°	0.5
72.5°	0.5
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.5
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)