

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: P791814

Luminaire Tested: LER6D35BD010-EC6DR3020359024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791814
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-EC6DR3020359024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3184.0 lumens
Efficiency: N/A
Efficacy: 103.4 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

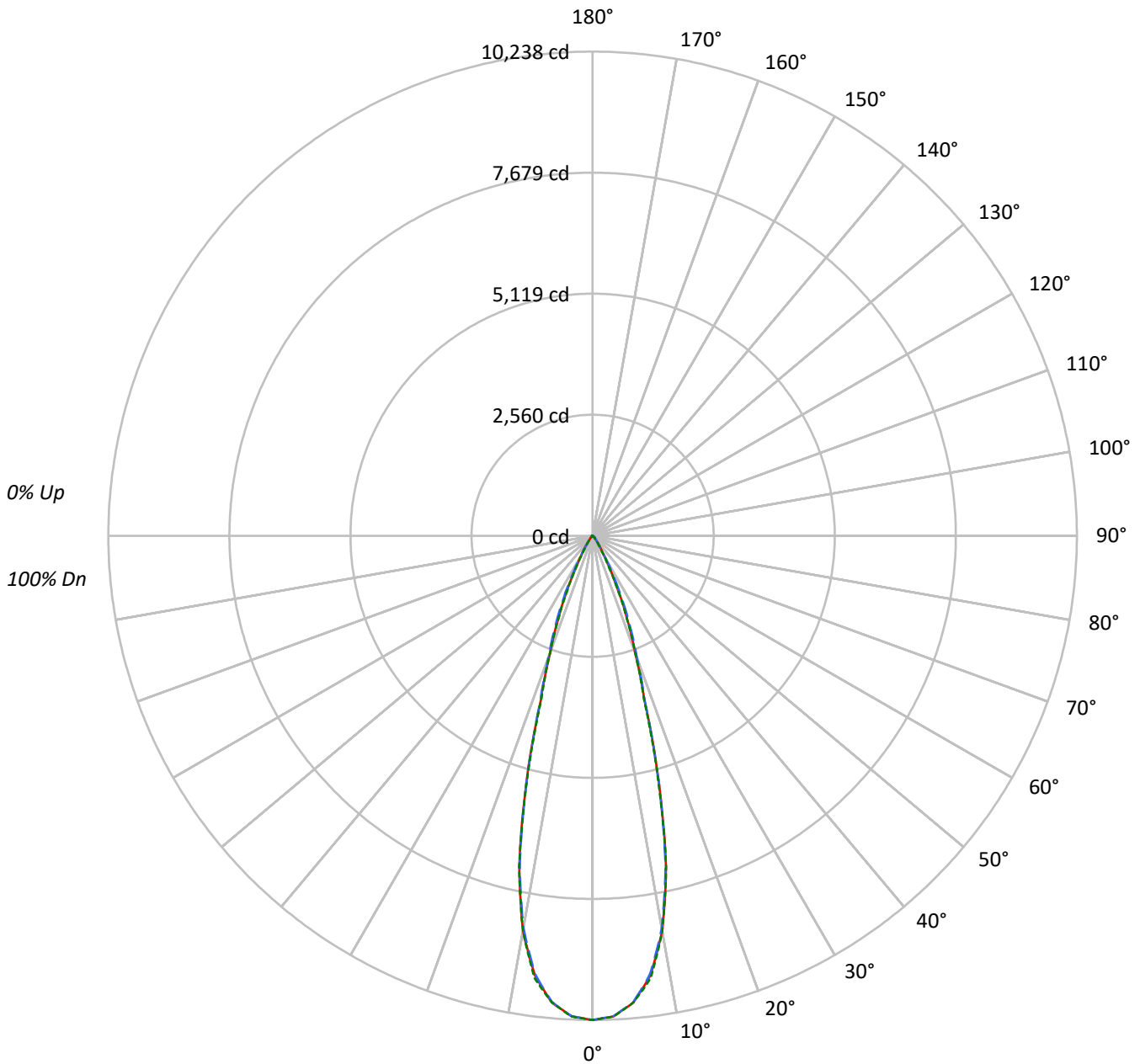
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	783651	783651	783651
5°	761151	760267	761189
10°	659272	654624	659117
15°	430142	427836	425681
20°	213887	221918	213601
25°	107741	121499	105537
30°	43141	47003	37581
35°	20006	19165	16063
40°	8643	9592	8134
45°	6094	7567	6149
50°	2096	5502	2215
55°	1201	2282	1281
60°	842	995	842
65°	543	543	543
70°	336	224	336
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 7567 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	900.3	28.3
10°-20°	1449.9	45.5
20°-30°	626.5	19.7
30°-40°	142.8	4.5
40°-50°	49.0	1.5
50°-60°	12.0	0.4
60°-70°	3.1	0.1
70°-80°	0.3	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°	2976.7	93.5
0°-40°	3119.5	98.0
0°-60°	3180.5	99.9
0°-90°	3184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3184.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10238	10238	10238	10238	10238	
5°	9906	9897	9895	9915	9907	901
15°	5428	5363	5399	5381	5372	1453
25°	1276	1324	1439	1290	1250	611
35°	214	219	205	204	172	145
45°	56	70	70	70	57	40
55°	9	10	17	10	10	9
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
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°	10238.0	10238.0	10238.0	10238.0	10238.0
2.5°	10170.1	10163.1	10167.1	10172.1	10174.2
5°	9906.2	9896.7	9894.7	9915.3	9906.7
7.5°	9373.9	9360.4	9339.8	9386.5	9430.2
10°	8482.2	8467.1	8422.4	8444.5	8480.2
12.5°	7165.8	7117.0	7116.0	7186.4	7176.8
15°	5428.1	5362.8	5399.0	5381.4	5371.8
17.5°	3650.2	3625.1	3673.4	3658.8	3596.0
20°	2625.8	2632.4	2724.4	2678.1	2622.3
22.5°	1916.1	1939.7	2048.8	1929.7	1885.9
25°	1275.7	1324.0	1438.6	1290.3	1249.6
27.5°	784.6	806.8	922.9	774.6	752.5
30°	488.1	477.0	531.8	456.4	425.2
32.5°	320.2	306.1	323.7	290.5	265.4
35°	214.1	218.7	205.1	203.6	171.9
37.5°	133.7	153.8	135.7	144.8	110.6
40°	86.5	111.6	96.0	106.1	81.4
42.5°	70.9	86.0	78.9	83.9	72.4
45°	56.3	69.9	69.9	69.9	56.8
47.5°	31.2	46.7	59.8	47.8	33.2
50°	17.6	23.6	46.2	24.6	18.6
52.5°	12.1	13.6	31.7	14.1	12.6
55°	9.0	9.6	17.1	10.1	9.6
57.5°	7.0	7.5	9.0	7.5	7.0
60°	5.5	5.5	6.5	6.0	5.5
62.5°	4.0	4.0	4.5	4.0	4.0
65°	3.0	3.0	3.0	3.0	3.0
67.5°	1.5	2.0	2.0	2.0	2.0
70°	1.5	1.0	1.0	1.0	1.5
72.5°	1.0	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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

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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