

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: P791822

Luminaire Tested: LER6D35BD010-EC6DR3020359027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791822
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-EC6DR3020359027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3606.7 lumens
Efficiency: N/A
Efficacy: 117.1 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

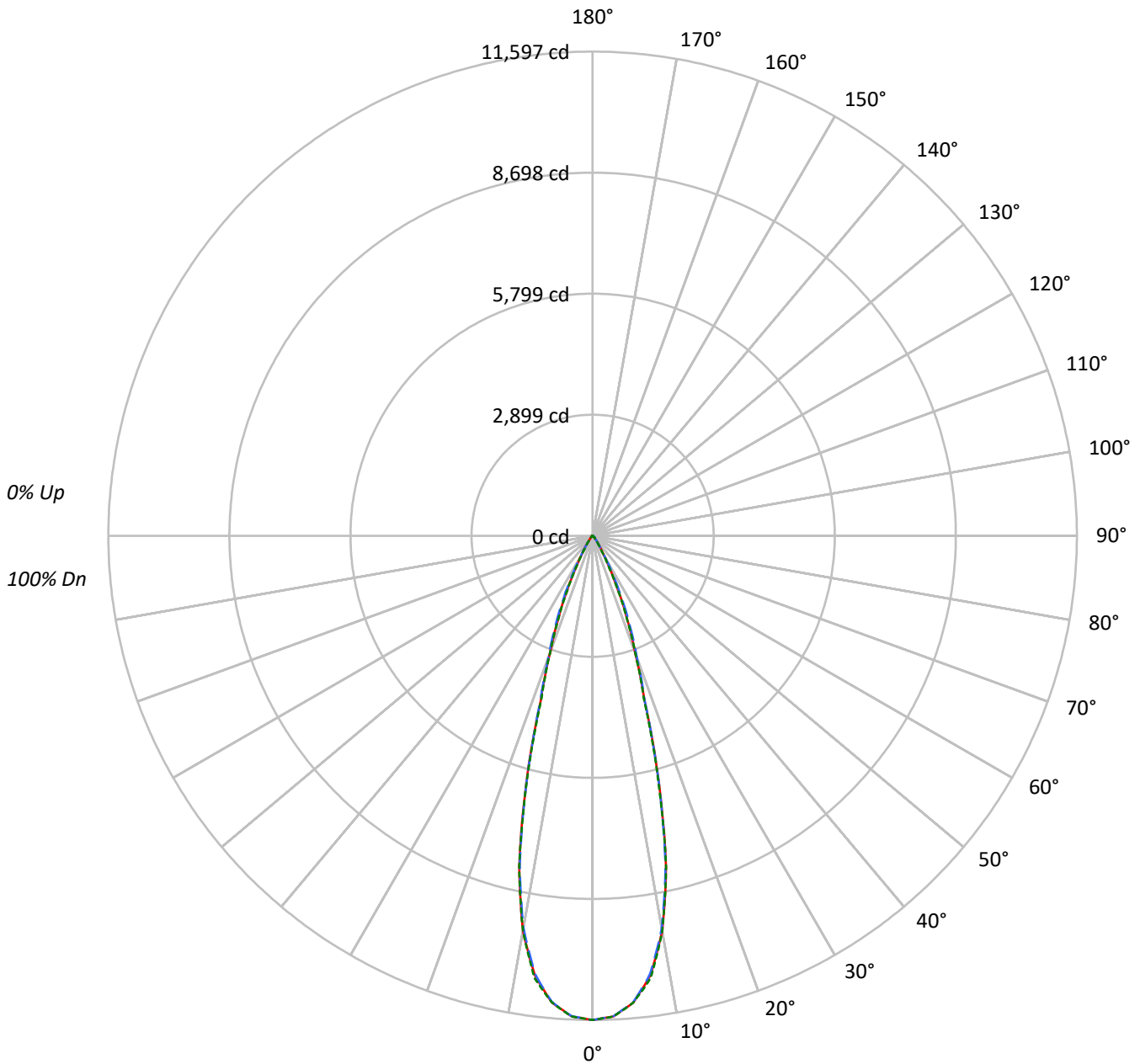
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	887704	887704	887704
5°	862220	861214	862266
10°	746813	741543	746634
15°	487261	484638	482205
20°	242290	251381	241964
25°	122048	137630	119548
30°	48868	53243	42575
35°	22669	21707	18193
40°	9782	10871	9213
45°	6906	8562	6960
50°	2370	6240	2513
55°	1361	2589	1441
60°	964	1133	964
65°	616	616	616
70°	380	246	380
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 8562 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1019.8	28.3
10°-20°	1642.4	45.5
20°-30°	709.7	19.7
30°-40°	161.8	4.5
40°-50°	55.5	1.5
50°-60°	13.6	0.4
60°-70°	3.5	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°	3372.0	93.5
0°-40°	3533.7	98.0
0°-60°	3602.8	99.9
0°-90°	3606.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3606.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11597	11597	11597	11597	11597	
5°	11222	11211	11208	11232	11222	1021
15°	6149	6075	6116	6096	6085	1646
25°	1445	1500	1630	1462	1416	692
35°	243	248	232	231	195	165
45°	64	79	79	79	64	45
55°	10	11	19	11	11	10
65°	3	3	3	3	3	3
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°	11597.4	11597.4	11597.4	11597.4	11597.4
2.5°	11520.5	11512.5	11517.1	11522.8	11525.1
5°	11221.6	11210.8	11208.5	11231.8	11222.2
7.5°	10618.6	10603.2	10579.9	10632.8	10682.4
10°	9608.5	9591.4	9540.7	9565.8	9606.2
12.5°	8117.3	8062.0	8060.9	8140.6	8129.8
15°	6148.9	6074.8	6115.8	6095.9	6085.1
17.5°	4134.9	4106.5	4161.1	4144.6	4073.4
20°	2974.5	2981.9	3086.1	3033.7	2970.5
22.5°	2170.5	2197.3	2320.8	2185.9	2136.4
25°	1445.1	1499.8	1629.6	1461.6	1415.5
27.5°	888.8	913.9	1045.4	877.4	852.4
30°	552.9	540.4	602.4	517.0	481.7
32.5°	362.7	346.8	366.7	329.1	300.6
35°	242.6	247.7	232.3	230.6	194.7
37.5°	151.5	174.2	153.7	164.0	125.3
40°	97.9	126.4	108.8	120.1	92.2
42.5°	80.3	97.4	89.4	95.1	82.0
45°	63.8	79.1	79.1	79.1	64.3
47.5°	35.3	53.0	67.8	54.1	37.6
50°	19.9	26.8	52.4	27.9	21.1
52.5°	13.7	15.4	35.9	15.9	14.2
55°	10.2	10.8	19.4	11.4	10.8
57.5°	8.0	8.5	10.2	8.5	8.0
60°	6.3	6.3	7.4	6.8	6.3
62.5°	4.6	4.6	5.1	4.6	4.6
65°	3.4	3.4	3.4	3.4	3.4
67.5°	1.7	2.3	2.3	2.3	2.3
70°	1.7	1.1	1.1	1.1	1.7
72.5°	1.1	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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