

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: P791850

Luminaire Tested: LER6D35BD010-EC6DR3020359050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791850
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-EC6DR3020359050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3529.1 lumens
Efficiency: N/A
Efficacy: 114.6 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

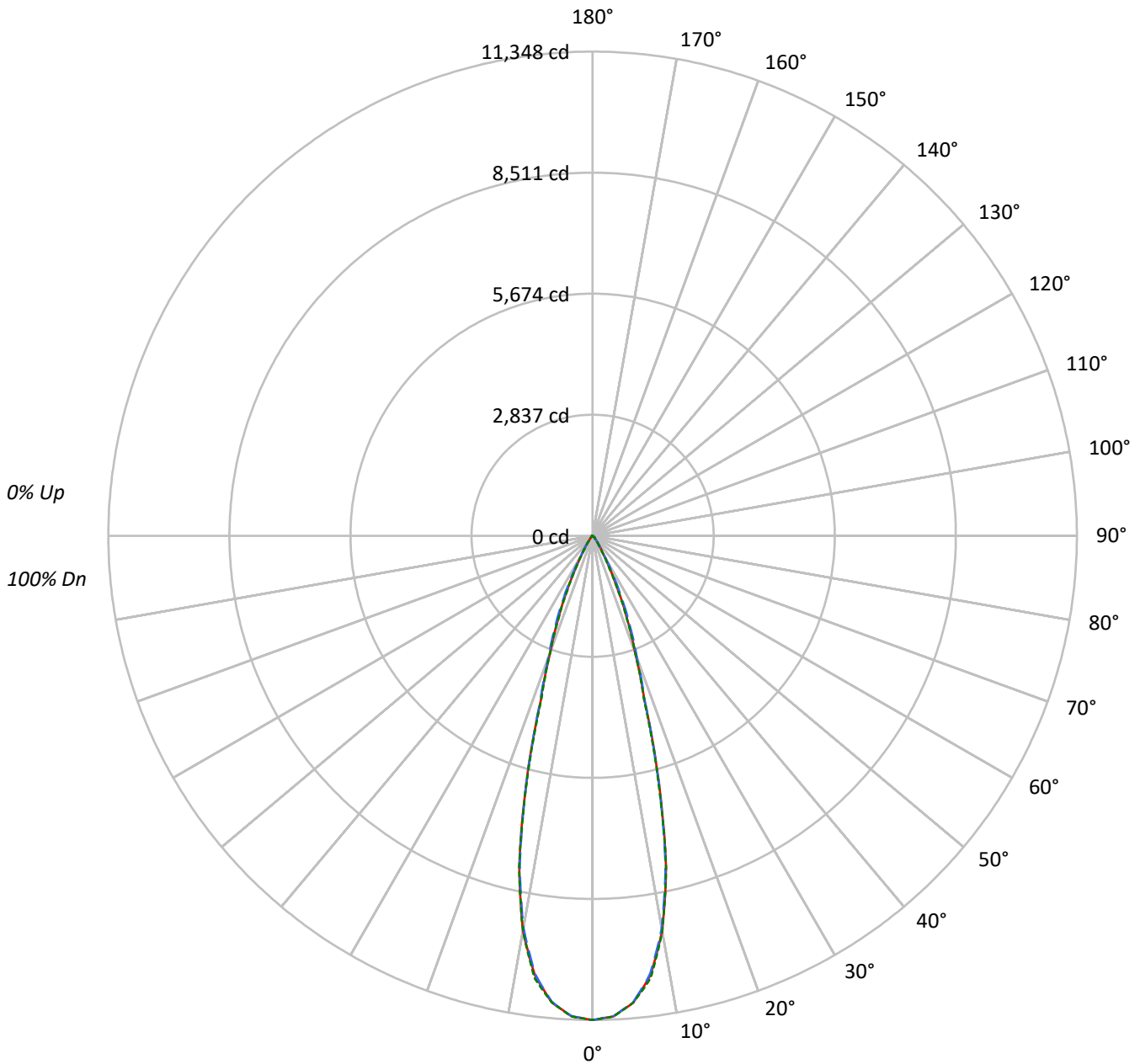


Downlight

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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°	868607	868607	868607
5°	843672	842689	843711
10°	730747	725594	730576
15°	476777	474217	471832
20°	237077	245972	236759
25°	119421	134666	116980
30°	47816	52103	41656
35°	22174	21239	17801
40°	9572	10632	9023
45°	6755	8378	6820
50°	2322	6109	2453
55°	1334	2522	1415
60°	934	1102	934
65°	598	598	598
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: 8378 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	997.9	28.3
10°-20°	1607.1	45.5
20°-30°	694.5	19.7
30°-40°	158.3	4.5
40°-50°	54.3	1.5
50°-60°	13.3	0.4
60°-70°	3.4	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°	3299.4	93.5
0°-40°	3457.7	98.0
0°-60°	3525.3	99.9
0°-90°	3529.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3529.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11348	11348	11348	11348	11348	
5°	10980	10970	10967	10990	10981	999
15°	6017	5944	5984	5965	5954	1611
25°	1414	1468	1594	1430	1385	677
35°	237	242	227	226	190	161
45°	62	77	77	77	63	44
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°	11347.9	11347.9	11347.9	11347.9	11347.9
2.5°	11272.7	11264.9	11269.3	11274.9	11277.1
5°	10980.2	10969.6	10967.4	10990.2	10980.7
7.5°	10390.2	10375.1	10352.3	10404.1	10452.6
10°	9401.8	9385.1	9335.5	9360.0	9399.6
12.5°	7942.6	7888.6	7887.5	7965.5	7954.9
15°	6016.6	5944.2	5984.3	5964.8	5954.2
17.5°	4046.0	4018.1	4071.6	4055.5	3985.8
20°	2910.5	2917.8	3019.7	2968.5	2906.6
22.5°	2123.8	2150.0	2270.9	2138.9	2090.4
25°	1414.0	1467.5	1594.5	1430.2	1385.1
27.5°	869.7	894.2	1022.9	858.6	834.0
30°	541.0	528.7	589.5	505.9	471.3
32.5°	354.9	339.3	358.8	322.0	294.2
35°	237.3	242.4	227.3	225.6	190.5
37.5°	148.2	170.5	150.4	160.5	122.6
40°	95.8	123.7	106.4	117.6	90.3
42.5°	78.6	95.3	87.5	93.0	80.2
45°	62.4	77.4	77.4	77.4	63.0
47.5°	34.5	51.8	66.3	52.9	36.8
50°	19.5	26.2	51.3	27.3	20.6
52.5°	13.4	15.0	35.1	15.6	13.9
55°	10.0	10.6	18.9	11.1	10.6
57.5°	7.8	8.4	10.0	8.4	7.8
60°	6.1	6.1	7.2	6.7	6.1
62.5°	4.5	4.5	5.0	4.5	4.5
65°	3.3	3.3	3.3	3.3	3.3
67.5°	1.7	2.2	2.2	2.2	2.2
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

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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