

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: P791840

Luminaire Tested: LER6D35BD010-EC6DR3020359040-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791840
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-EC6DR3020359040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3928.1 lumens
Efficiency: N/A
Efficacy: 127.5 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

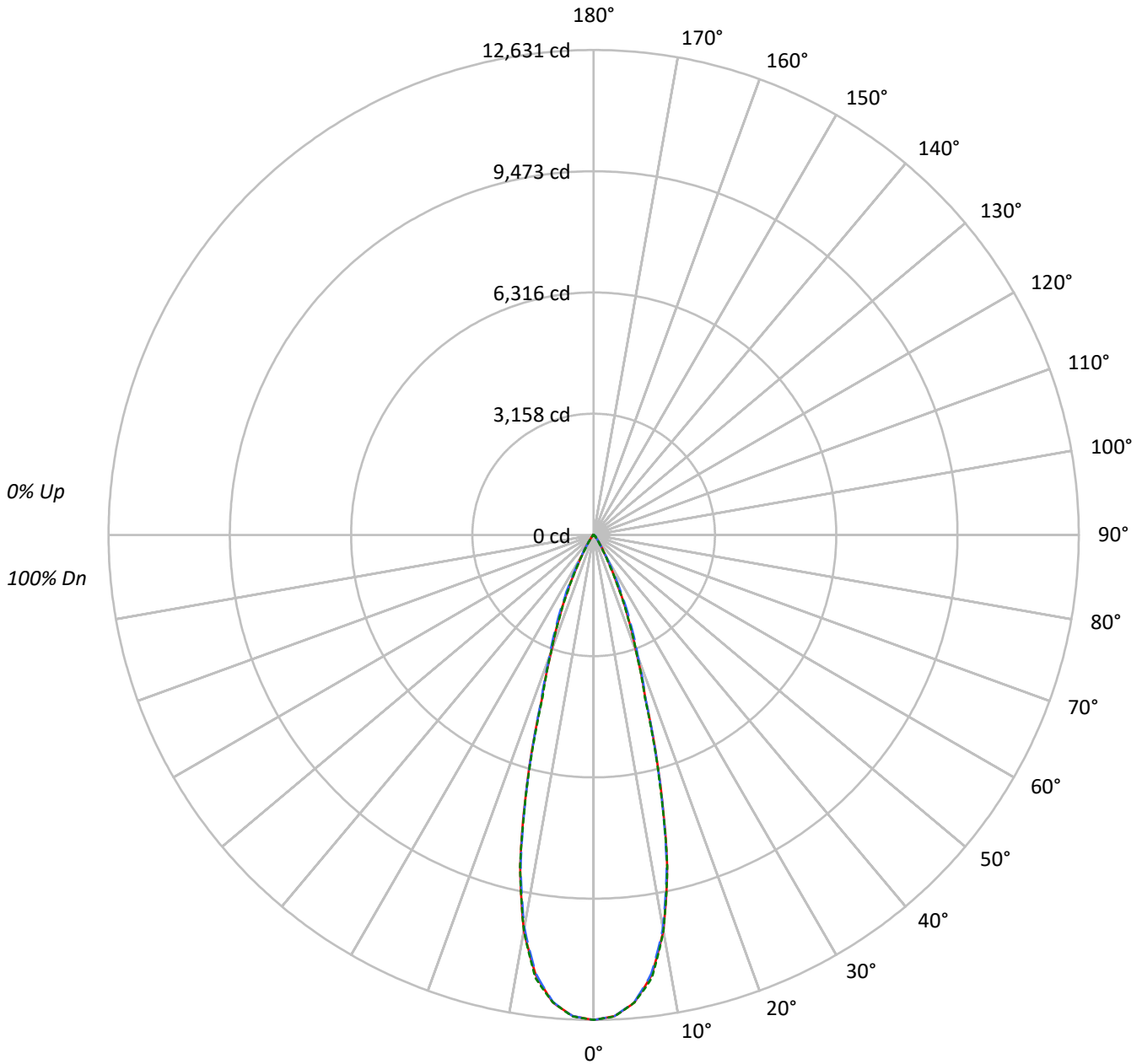


Downlight

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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°	966804	966804	966804
5°	939056	937957	939102
10°	813360	807624	813166
15°	530678	527825	525179
20°	263884	273781	263526
25°	132926	149893	130198
30°	53216	57989	46367
35°	24687	23641	19819
40°	10661	11831	10042
45°	7523	9331	7588
50°	2584	6799	2727
55°	1495	2816	1575
60°	1041	1240	1041
65°	670	670	670
70°	425	269	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: 9331 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1110.7	28.3
10°-20°	1788.8	45.5
20°-30°	773.0	19.7
30°-40°	176.2	4.5
40°-50°	60.5	1.5
50°-60°	14.8	0.4
60°-70°	3.8	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°	3672.4	93.5
0°-40°	3848.6	98.0
0°-60°	3923.9	99.9
0°-90°	3928.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3928.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12631	12631	12631	12631	12631	
5°	12222	12210	12207	12233	12222	1112
15°	6697	6616	6661	6639	6627	1793
25°	1574	1633	1775	1592	1542	753
35°	264	270	253	251	212	179
45°	70	86	86	86	70	49
55°	11	12	21	12	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°	12630.8	12630.8	12630.8	12630.8	12630.8
2.5°	12547.1	12538.4	12543.4	12549.6	12552.1
5°	12221.6	12209.8	12207.3	12232.7	12222.2
7.5°	11564.8	11548.1	11522.7	11580.3	11634.3
10°	10464.7	10446.1	10390.9	10418.2	10462.2
12.5°	8840.6	8780.4	8779.2	8866.0	8854.2
15°	6696.8	6616.2	6660.8	6639.1	6627.4
17.5°	4503.4	4472.4	4531.9	4513.9	4436.4
20°	3239.6	3247.6	3361.1	3304.1	3235.2
22.5°	2363.9	2393.1	2527.7	2380.7	2326.7
25°	1573.9	1633.4	1774.8	1591.9	1541.6
27.5°	968.0	995.3	1138.6	955.6	928.3
30°	602.1	588.5	656.1	563.1	524.6
32.5°	395.0	377.7	399.4	358.4	327.4
35°	264.2	269.8	253.0	251.2	212.1
37.5°	165.0	189.8	167.4	178.6	136.4
40°	106.7	137.7	118.4	130.8	100.5
42.5°	87.4	106.0	97.4	103.6	89.3
45°	69.5	86.2	86.2	86.2	70.1
47.5°	38.4	57.7	73.8	58.9	40.9
50°	21.7	29.1	57.1	30.4	22.9
52.5°	14.9	16.7	39.1	17.4	15.5
55°	11.2	11.8	21.1	12.4	11.8
57.5°	8.7	9.3	11.2	9.3	8.7
60°	6.8	6.8	8.1	7.4	6.8
62.5°	5.0	5.0	5.6	5.0	5.0
65°	3.7	3.7	3.7	3.7	3.7
67.5°	1.9	2.5	2.5	2.5	2.5
70°	1.9	1.2	1.2	1.2	1.9
72.5°	1.2	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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