

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: P791841

Luminaire Tested: LER6D35BD010-EC6DR3020359040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791841
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-EC6DR3020359040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 4124.6 lumens
Efficiency: N/A
Efficacy: 133.9 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

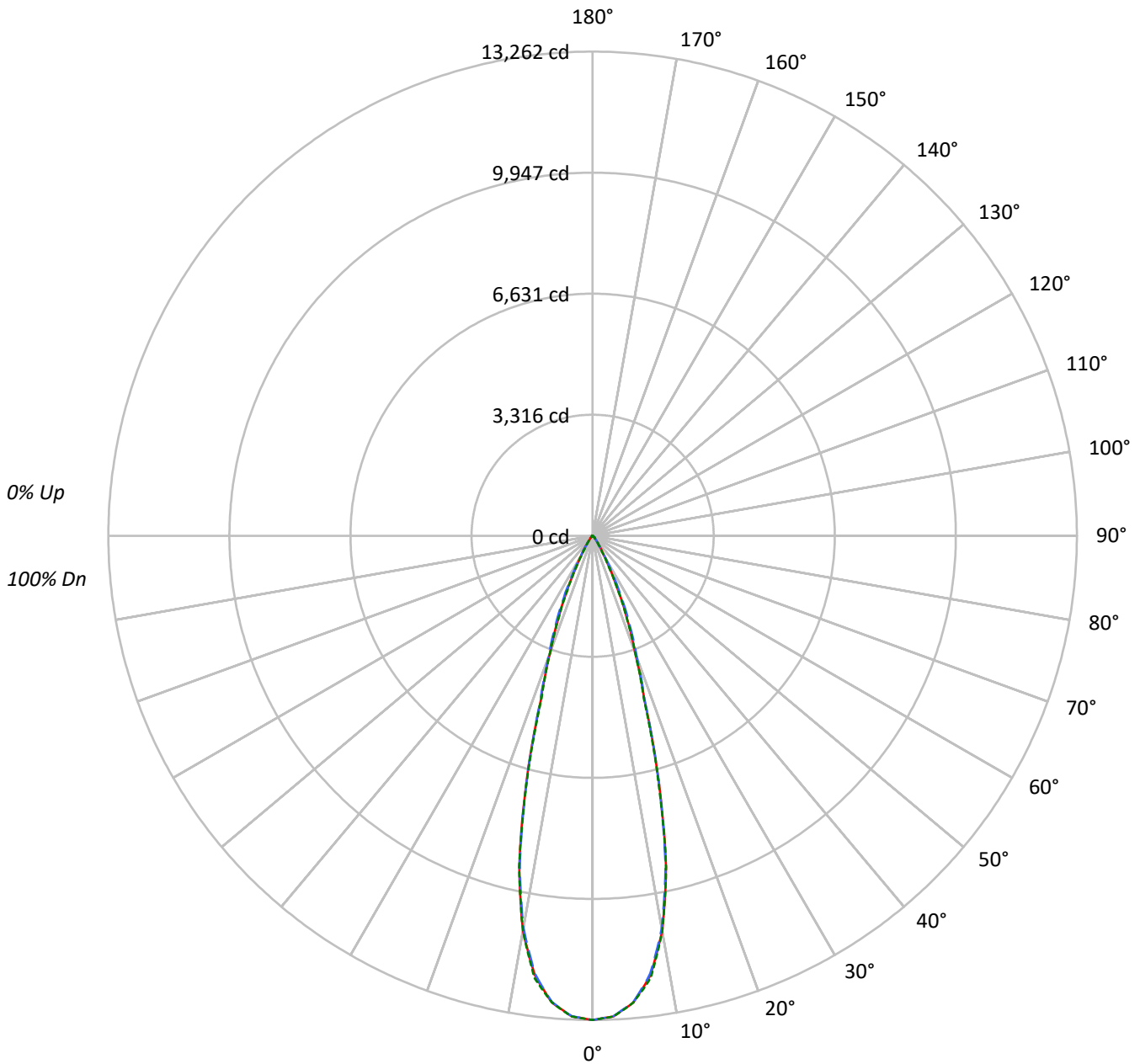


Downlight

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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°	1015149	1015149	1015149
5°	986003	984858	986057
10°	854034	848010	853831
15°	557209	554221	551432
20°	277072	287474	276705
25°	139572	157393	136709
30°	55886	60888	48691
35°	25921	24828	20810
40°	11191	12430	10542
45°	7891	9797	7967
50°	2715	7133	2870
55°	1561	2949	1655
60°	1102	1301	1102
65°	706	706	706
70°	448	291	448
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 9797 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1166.2	28.3
10°-20°	1878.2	45.5
20°-30°	811.6	19.7
30°-40°	185.0	4.5
40°-50°	63.5	1.5
50°-60°	15.5	0.4
60°-70°	4.0	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°	3856.1	93.5
0°-40°	4041.1	98.0
0°-60°	4120.1	99.9
0°-90°	4124.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4124.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13262	13262	13262	13262	13262	
5°	12833	12820	12818	12844	12833	1167
15°	7032	6947	6994	6971	6959	1883
25°	1653	1715	1864	1672	1619	791
35°	277	283	266	264	223	188
45°	73	90	90	90	74	52
55°	12	12	22	13	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°	13262.4	13262.4	13262.4	13262.4	13262.4
2.5°	13174.5	13165.4	13170.6	13177.1	13179.7
5°	12832.6	12820.3	12817.7	12844.4	12833.3
7.5°	12143.1	12125.5	12098.8	12159.4	12216.0
10°	10988.0	10968.4	10910.5	10939.1	10985.4
12.5°	9282.6	9219.5	9218.2	9309.3	9297.0
15°	7031.6	6947.0	6993.9	6971.1	6958.7
17.5°	4728.6	4696.0	4758.5	4739.6	4658.2
20°	3401.5	3410.0	3529.2	3469.3	3397.0
22.5°	2482.1	2512.7	2654.0	2499.7	2443.1
25°	1652.6	1715.1	1863.6	1671.5	1618.7
27.5°	1016.4	1045.1	1195.5	1003.4	974.8
30°	632.3	617.9	688.9	591.2	550.9
32.5°	414.8	396.5	419.3	376.4	343.8
35°	277.4	283.2	265.7	263.7	222.7
37.5°	173.2	199.2	175.8	187.5	143.3
40°	112.0	144.6	124.4	137.4	105.5
42.5°	91.8	111.3	102.2	108.7	93.8
45°	72.9	90.5	90.5	90.5	73.6
47.5°	40.4	60.6	77.5	61.9	43.0
50°	22.8	30.6	59.9	31.9	24.1
52.5°	15.6	17.6	41.0	18.2	16.3
55°	11.7	12.4	22.1	13.0	12.4
57.5°	9.1	9.8	11.7	9.8	9.1
60°	7.2	7.2	8.5	7.8	7.2
62.5°	5.2	5.2	5.9	5.2	5.2
65°	3.9	3.9	3.9	3.9	3.9
67.5°	2.0	2.6	2.6	2.6	2.6
70°	2.0	1.3	1.3	1.3	2.0
72.5°	1.3	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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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