

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: P791856

Luminaire Tested: LER6D35BD010-EC6DR3520359024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D35BD010-EC6DR3520359024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3112.5 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' 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

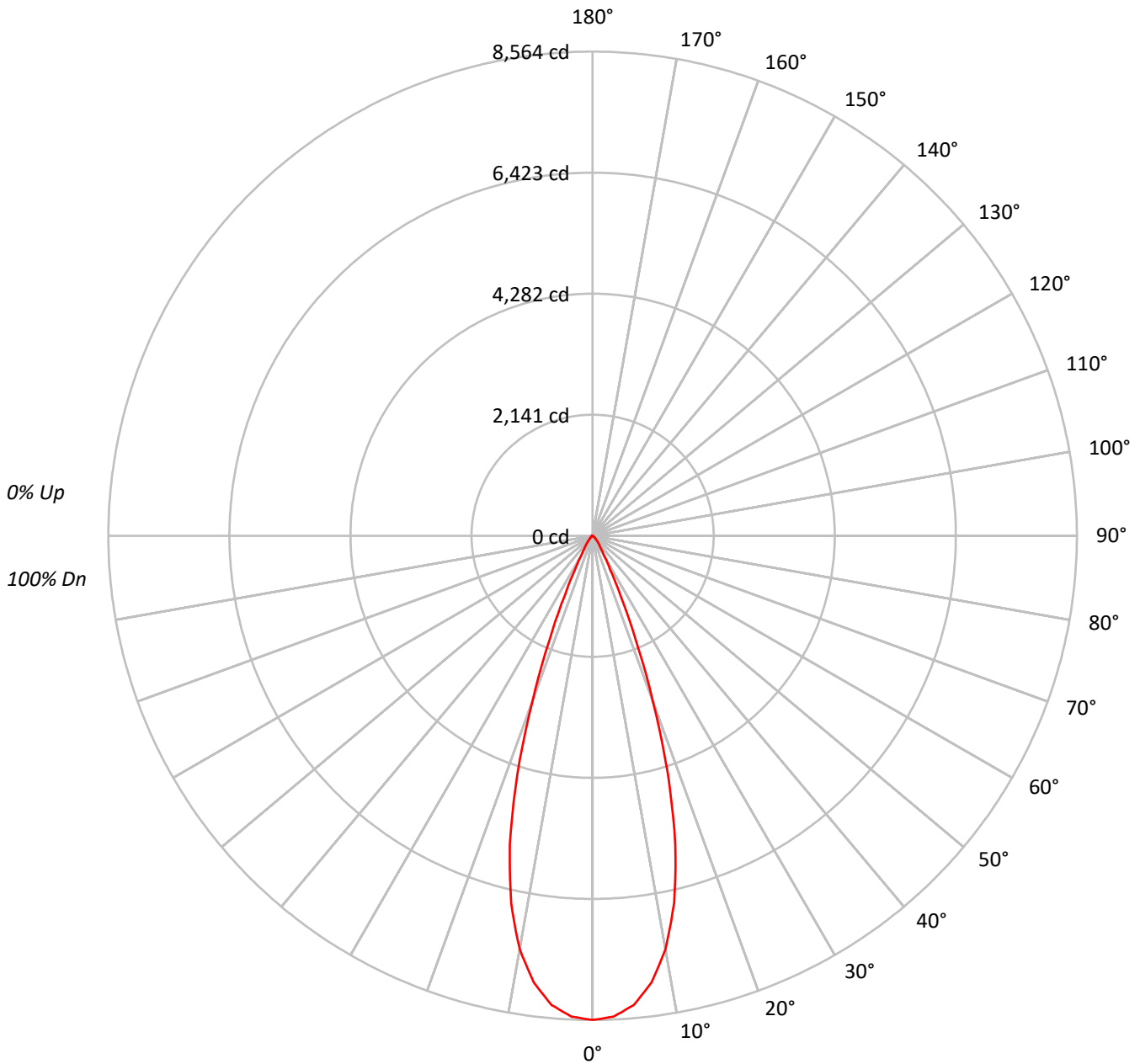


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									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	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	102	100	100	100	99	98	98	98	96	96	96	92															
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	98	96	96	96	96	95	93	93	92	92	92	88															
	2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	93	91	91	91	93	91	89	89	88	88	88	84															
	3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	89	87	87	87	90	88	86	86	84	84	84	81															
	4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	86	84	84	84	89	85	83	82	82	81	81	78															
	5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	82	80	80	80	84	81	79	79	78	78	78	75															
	6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	79	77	77	77	82	79	76	76	75	75	75	72															
	7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	76	74	74	74	82	79	76	73	73	72	72	70															
	8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	73	71	71	71	77	73	71	71	70	70	70	68															
	9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	71	69	69	69	74	71	69	69	68	68	68	68															
	10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	69	68	68	68	74	71	69	69	68	68	68	68															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	935698
5°	913717
10°	823499
15°	639168
20°	362527
25°	141038
30°	52623
35°	28837
40°	18856
45°	11481
50°	7309
55°	5162
60°	3780
65°	2042
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11481 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	766.2	24.6
10°-20°	1495.9	48.1
20°-30°	610.1	19.6
30°-40°	146.0	4.7
40°-50°	60.9	2.0
50°-60°	25.2	0.8
60°-70°	7.9	0.3
70°-80°	0.2	0.0
80°-90°	0.1	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°	2872.2	92.3
0°-40°	3018.2	97.0
0°-60°	3104.3	99.7
0°-90°	3112.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3112.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8564	
5°	8331	766
15°	5651	1496
25°	1170	610
35°	216	146
45°	74	61
55°	27	25
65°	8	8
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8563.9
2.5°	8512.6
5°	8330.9
7.5°	7968.5
10°	7422.5
12.5°	6653.8
15°	5650.6
17.5°	4423.7
20°	3117.9
22.5°	1988.1
25°	1169.9
27.5°	661.3
30°	417.1
32.5°	292.8
35°	216.2
37.5°	167.2
40°	132.2
42.5°	101.8
45°	74.3
47.5°	55.6
50°	43.0
52.5°	34.1
55°	27.1
57.5°	22.0
60°	17.3
62.5°	12.6
65°	7.9
67.5°	2.8
70°	0.5
72.5°	0.5
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)