

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: P757384

Luminaire Tested: LD6D02D010-EU6DR450210IC9030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D02D010-EU6DR450210IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 389.9 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
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



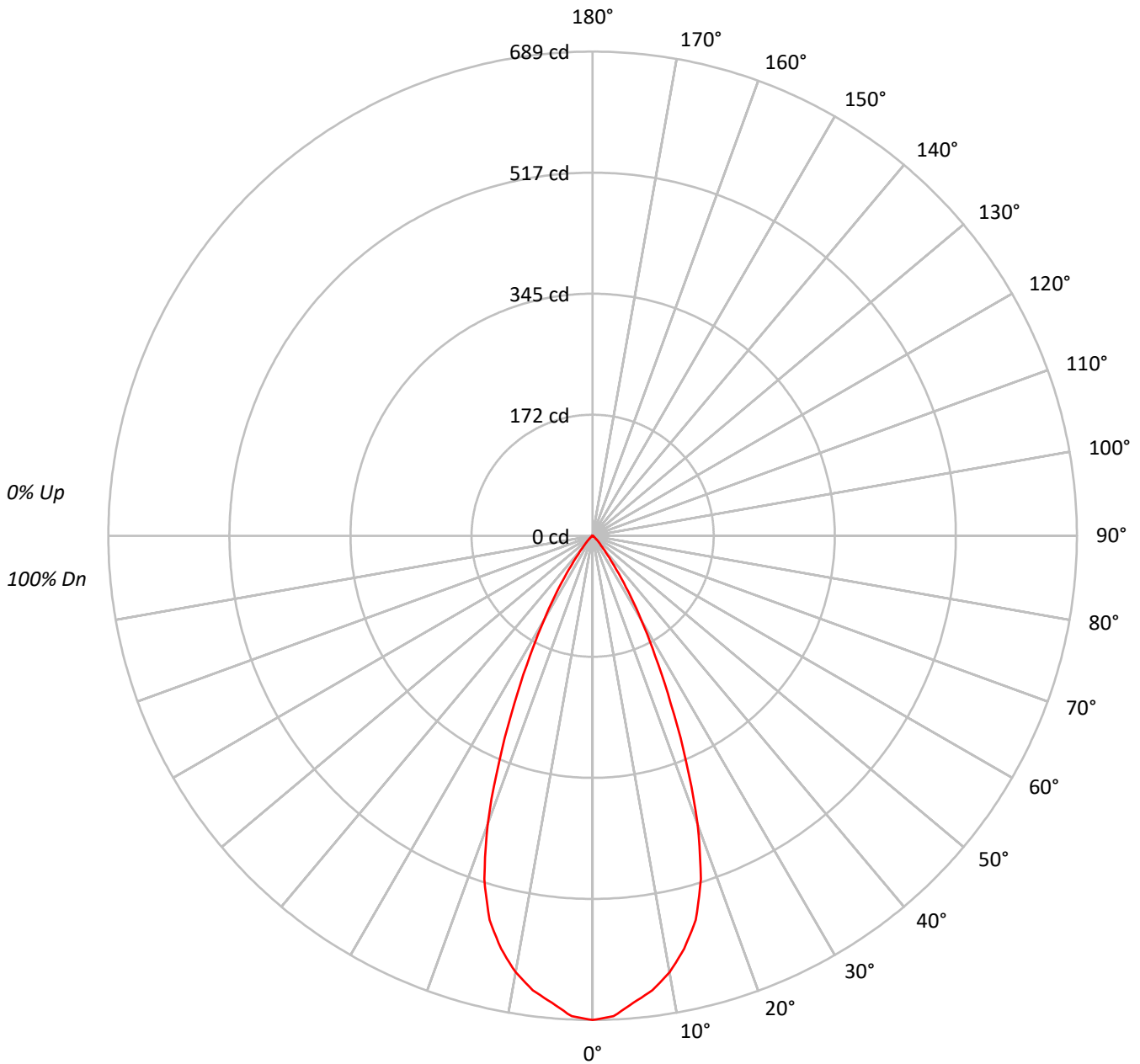
Downlight



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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	100	100	100	98	98	97	95	95	95	91	90																
	1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95	95	93	95	93	91	90	90	87	85	85																
	2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90	90	88	91	89	87	85	85	81	81	81																
	3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85	85	83	87	84	82	81	81	77	77	77																
	4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81	81	79	83	80	78	77	77	73	73	73																
	5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77	77	75	80	77	74	73	73	69	69	69																
	6	92	85	79	76	91	84	79	76	82	78	75	81	77	75	80	77	74	73	73	75	80	77	74	73	73	69	69	69																
	7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	70	69	69	71	67	64	63	63	63	63	63	63																
	8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66	66	67	64	64	64	64	64	64	64	64																
	9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63	63	65	67	64	63	63	63	63	63	63																
	10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60	60	61	64	61	60	60	60	60	60	60																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75281
5°	73133
10°	69963
15°	64034
20°	50800
25°	31718
30°	17474
35°	7843
40°	3095
45°	1468
50°	697
55°	362
60°	175
65°	52
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1468 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	16.1
10°-20°	154.2	39.5
20°-30°	122.1	31.3
30°-40°	40.7	10.4
40°-50°	8.1	2.1
50°-60°	1.8	0.5
60°-70°	0.3	0.1
70°-80°	0.0	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°	338.9	86.9
0°-40°	379.6	97.4
0°-60°	389.6	99.9
0°-90°	389.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	389.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	689	
5°	667	63
15°	566	154
25°	263	122
35°	59	41
45°	10	8
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	689.0
2.5°	684.4
5°	666.8
7.5°	652.2
10°	630.6
12.5°	601.9
15°	566.1
17.5°	512.3
20°	436.9
22.5°	347.2
25°	263.1
27.5°	192.6
30°	138.5
32.5°	94.3
35°	58.8
37.5°	34.9
40°	21.7
42.5°	14.3
45°	9.5
47.5°	6.1
50°	4.1
52.5°	2.7
55°	1.9
57.5°	1.3
60°	0.8
62.5°	0.5
65°	0.2
67.5°	0.1
70°	0.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)