

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: P760673

Luminaire Tested: LD6D10D010-EU6DR600210IC9035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P760673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D10D010-EU6DR600210IC9035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1155.3 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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



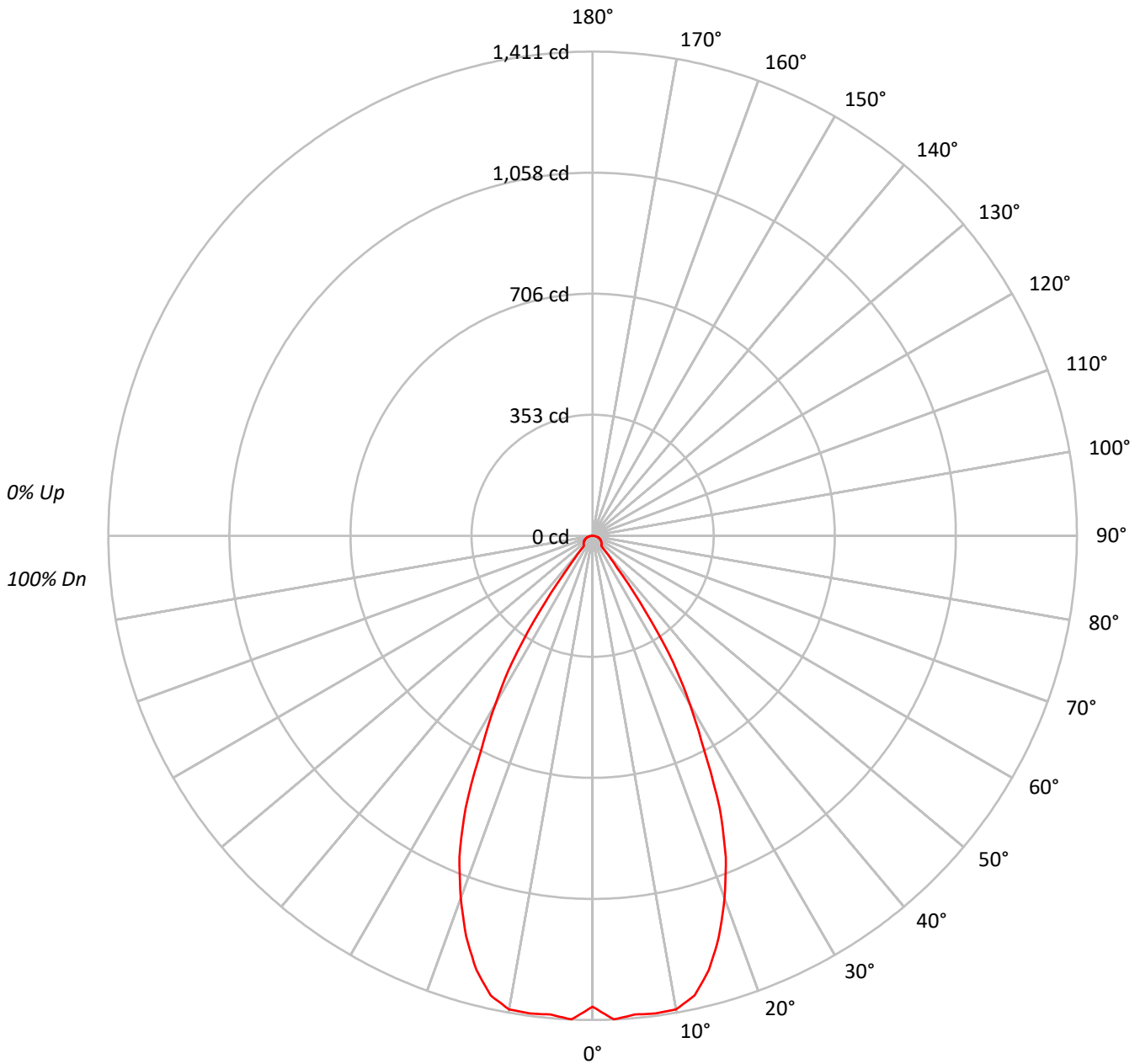
Downlight



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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				70				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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	149917
5°	153604
10°	155458
15°	148090
20°	130574
25°	105607
30°	71434
35°	35800
40°	5805
45°	5686
50°	5796
55°	5886
60°	6053
65°	6179
70°	6325
75°	6417
80°	6166
85°	5140

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 6417 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.9	11.6
10°-20°	362.1	31.3
20°-30°	389.6	33.7
30°-40°	169.4	14.7
40°-50°	28.4	2.5
50°-60°	27.7	2.4
60°-70°	23.6	2.0
70°-80°	15.8	1.4
80°-90°	4.7	0.4
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°	885.6	76.7
0°-40°	1055.0	91.3
0°-60°	1111.1	96.2
0°-90°	1155.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1155.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1372	
5°	1400	134
15°	1309	362
25°	876	390
35°	268	169
45°	37	28
55°	31	28
65°	24	24
75°	15	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1372.1
2.5°	1410.7
5°	1400.5
7.5°	1403.7
10°	1401.2
12.5°	1372.3
15°	1309.2
17.5°	1224.6
20°	1123.0
22.5°	1014.2
25°	876.0
27.5°	700.7
30°	566.2
32.5°	436.4
35°	268.4
37.5°	114.8
40°	40.7
42.5°	37.5
45°	36.8
47.5°	35.5
50°	34.1
52.5°	32.5
55°	30.9
57.5°	29.3
60°	27.7
62.5°	25.9
65°	23.9
67.5°	21.9
70°	19.8
72.5°	17.5
75°	15.2
77.5°	12.5
80°	9.8
82.5°	7.0
85°	4.1
87.5°	1.4
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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