

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: P758658

Luminaire Tested: LD6D05D010-EU6DR600210IC9040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P758658
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: LD6D05D010-EU6DR600210IC9040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 754.9 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 7.5
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

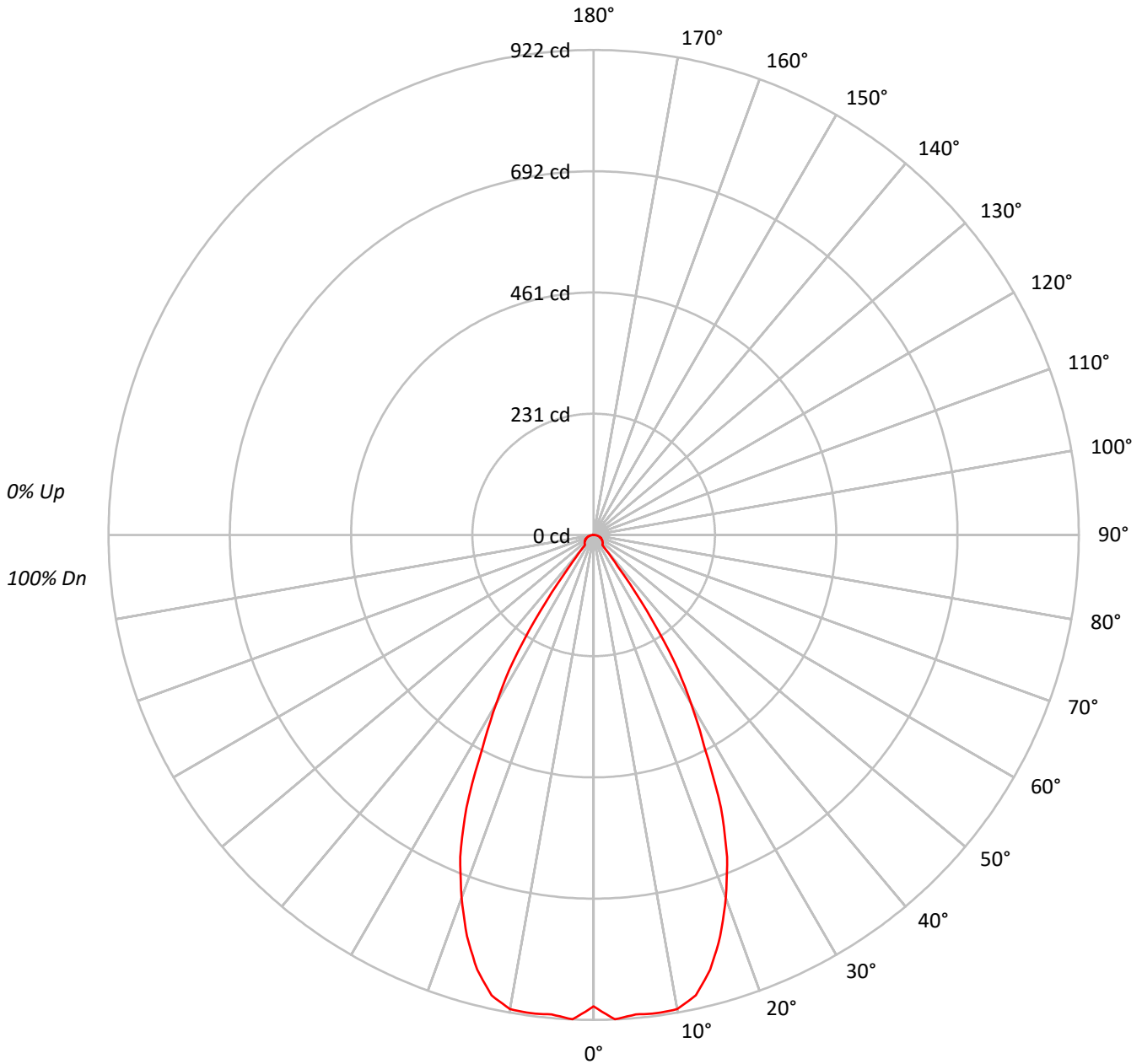


Downlight



TEST NUMBER: P758658
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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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97952
5°	100366
10°	101571
15°	96770
20°	85321
25°	69006
30°	46680
35°	23395
40°	3794
45°	3708
50°	3791
55°	3848
60°	3955
65°	4033
70°	4121
75°	4179
80°	4027
85°	3385

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 4179 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	11.6
10°-20°	236.6	31.3
20°-30°	254.6	33.7
30°-40°	110.7	14.7
40°-50°	18.6	2.5
50°-60°	18.1	2.4
60°-70°	15.4	2.0
70°-80°	10.4	1.4
80°-90°	3.1	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°	578.7	76.7
0°-40°	689.3	91.3
0°-60°	726.0	96.2
0°-90°	754.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	754.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	896	
5°	915	87
15°	856	237
25°	572	255
35°	175	111
45°	24	19
55°	20	18
65°	16	15
75°	10	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	896.5
2.5°	921.7
5°	915.1
7.5°	917.2
10°	915.5
12.5°	896.6
15°	855.5
17.5°	800.1
20°	733.8
22.5°	662.7
25°	572.4
27.5°	457.8
30°	370.0
32.5°	285.2
35°	175.4
37.5°	75.0
40°	26.6
42.5°	24.5
45°	24.0
47.5°	23.2
50°	22.3
52.5°	21.3
55°	20.2
57.5°	19.1
60°	18.1
62.5°	16.9
65°	15.6
67.5°	14.3
70°	12.9
72.5°	11.5
75°	9.9
77.5°	8.2
80°	6.4
82.5°	4.5
85°	2.7
87.5°	0.9
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)