

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: P760841

Luminaire Tested: LD6D10D010-EU6DR700210IC9040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P760841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D10D010-EU6DR700210IC9040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1138.2 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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



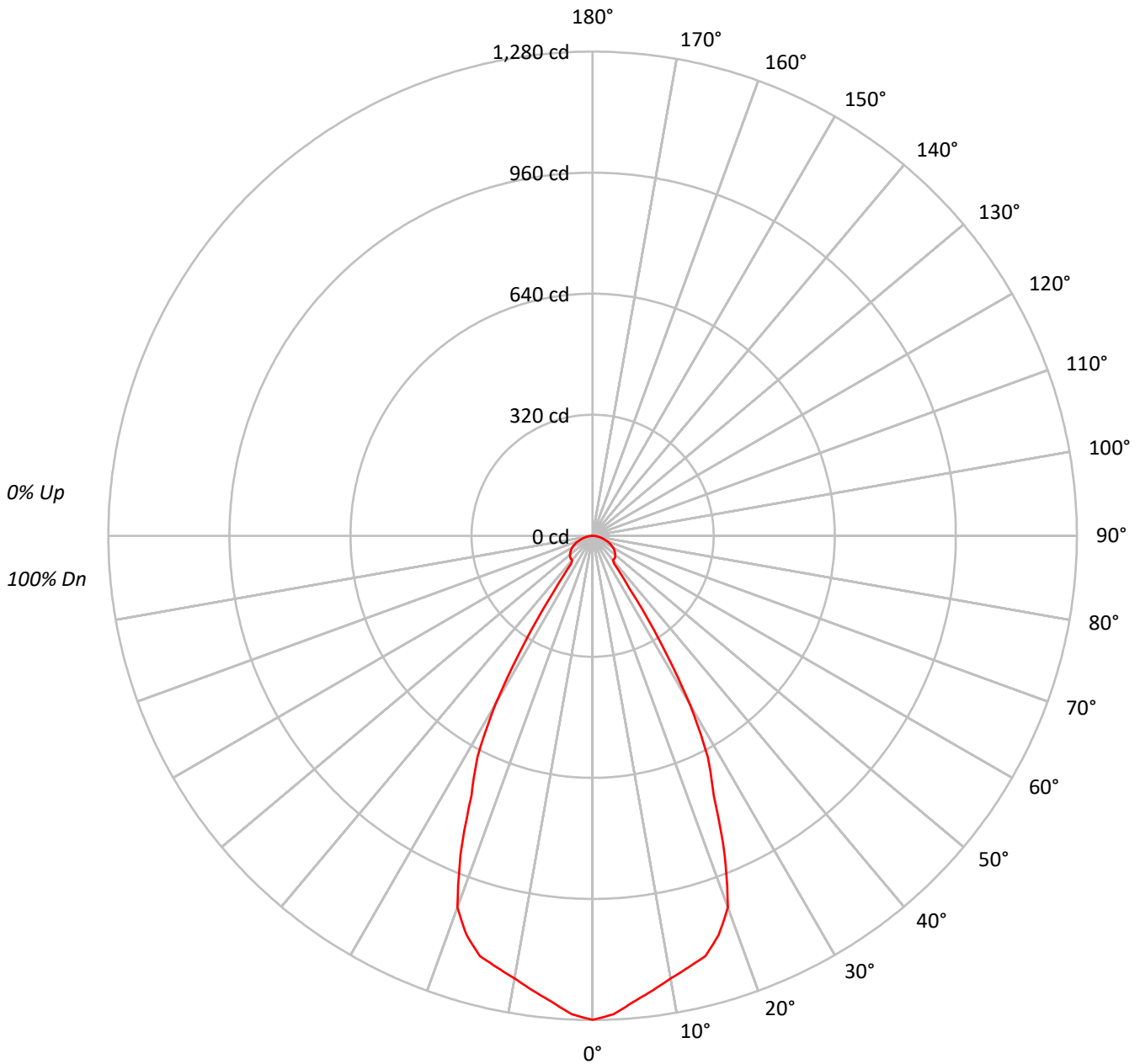
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	139810
5°	135661
10°	131871
15°	130139
20°	121528
25°	91297
30°	64545
35°	22862
40°	12024
45°	12794
50°	13258
55°	13506
60°	13592
65°	13314
70°	12555
75°	11651
80°	10319
85°	8399

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 13604 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.7	10.3
10°-20°	320.0	28.1
20°-30°	352.4	31.0
30°-40°	134.7	11.8
40°-50°	63.6	5.6
50°-60°	63.2	5.6
60°-70°	50.6	4.4
70°-80°	29.1	2.6
80°-90°	7.9	0.7
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°	789.1	69.3
0°-40°	923.7	81.2
0°-60°	1050.5	92.3
0°-90°	1138.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1138.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1280	
5°	1237	117
15°	1150	320
25°	757	352
35°	171	135
45°	83	64
55°	71	63
65°	52	51
75°	28	29
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1279.6
2.5°	1266.2
5°	1236.9
7.5°	1212.4
10°	1188.6
12.5°	1168.6
15°	1150.5
17.5°	1107.0
20°	1045.2
22.5°	911.9
25°	757.3
27.5°	659.2
30°	511.6
32.5°	330.4
35°	171.4
37.5°	92.6
40°	84.3
42.5°	83.7
45°	82.8
47.5°	81.0
50°	78.0
52.5°	74.5
55°	70.9
57.5°	66.9
60°	62.2
62.5°	57.0
65°	51.5
67.5°	45.4
70°	39.3
72.5°	33.2
75°	27.6
77.5°	21.7
80°	16.4
82.5°	11.6
85°	6.7
87.5°	2.6
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)