

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: P774083

Luminaire Tested: LD6D90BD010-EU6DR7070959050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774083
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: LD6D90BD010-EU6DR7070959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12325.2 lumens
Efficiency: N/A
Efficacy: 124.6 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): 98.9
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

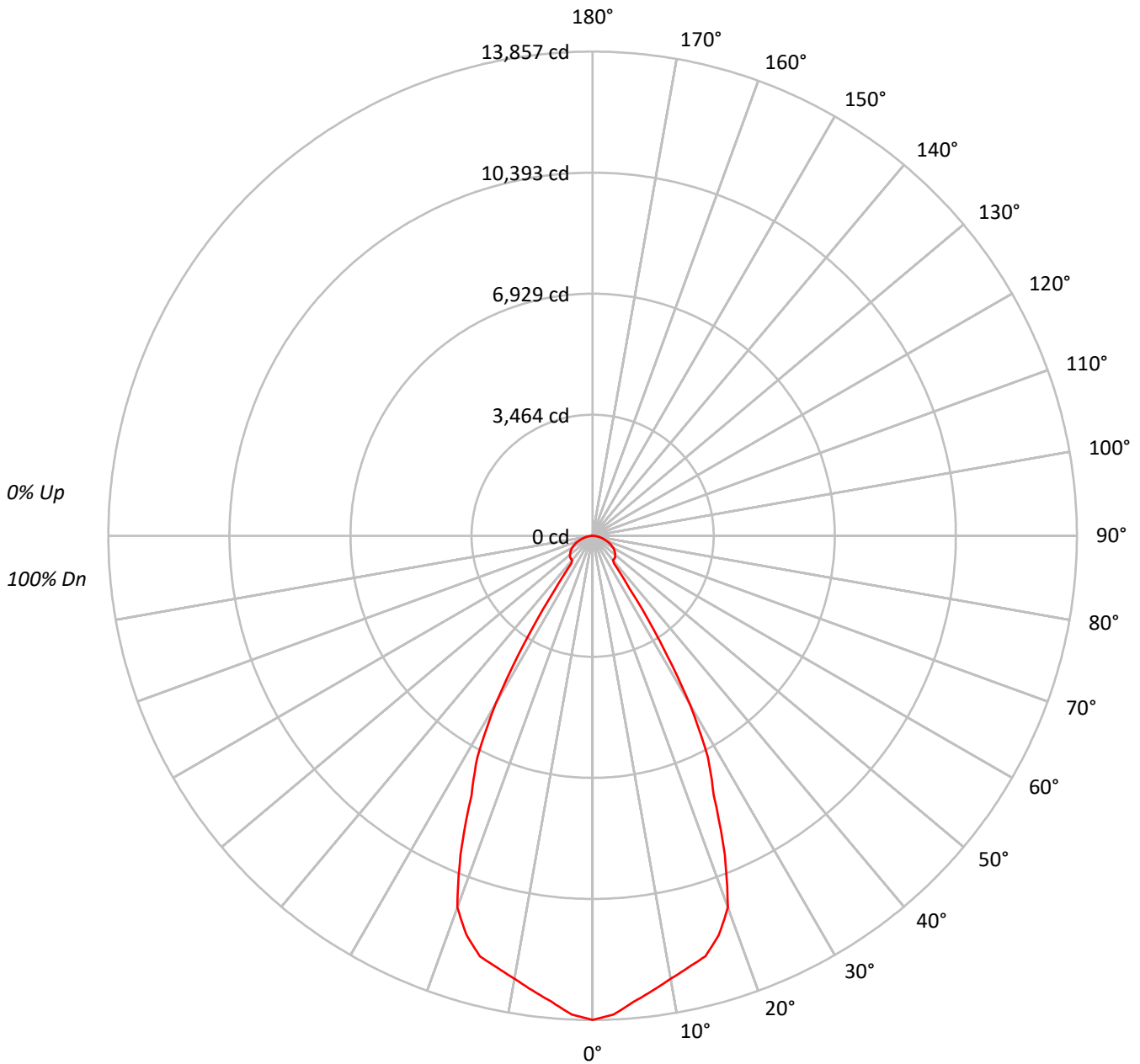


Downlight

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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°	1514037
5°	1469040
10°	1428100
15°	1409357
20°	1316058
25°	988679
30°	698920
35°	247572
40°	130178
45°	138649
50°	143582
55°	146278
60°	147174
65°	144080
70°	135961
75°	125970
80°	111810
85°	90763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 147227 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1263.4	10.3
10°-20°	3465.3	28.1
20°-30°	3816.6	31.0
30°-40°	1458.2	11.8
40°-50°	688.5	5.6
50°-60°	684.5	5.6
60°-70°	548.0	4.4
70°-80°	315.0	2.6
80°-90°	85.6	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°	8545.3	69.3
0°-40°	10003.5	81.2
0°-60°	11376.5	92.3
0°-90°	12325.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12325.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13857	
5°	13394	###
15°	12460	3465
25°	8201	3817
35°	1856	1458
45°	897	689
55°	768	685
65°	557	548
75°	298	315
85°	72	86
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13857.1
2.5°	13712.3
5°	13394.1
7.5°	13128.7
10°	12872.0
12.5°	12654.8
15°	12459.5
17.5°	11987.8
20°	11318.7
22.5°	9875.0
25°	8201.0
27.5°	7139.2
30°	5539.8
32.5°	3578.4
35°	1856.1
37.5°	1002.6
40°	912.7
42.5°	906.1
45°	897.3
47.5°	877.6
50°	844.7
52.5°	807.4
55°	767.9
57.5°	724.0
60°	673.5
62.5°	616.5
65°	557.3
67.5°	491.4
70°	425.6
72.5°	359.8
75°	298.4
77.5°	234.8
80°	177.7
82.5°	125.1
85°	72.4
87.5°	28.5
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)