

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: P774043

Luminaire Tested: LD6D90BD010-EU6DR7070959030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774043
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-EU6DR7070959030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11018.4 lumens
Efficiency: N/A
Efficacy: 111.4 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

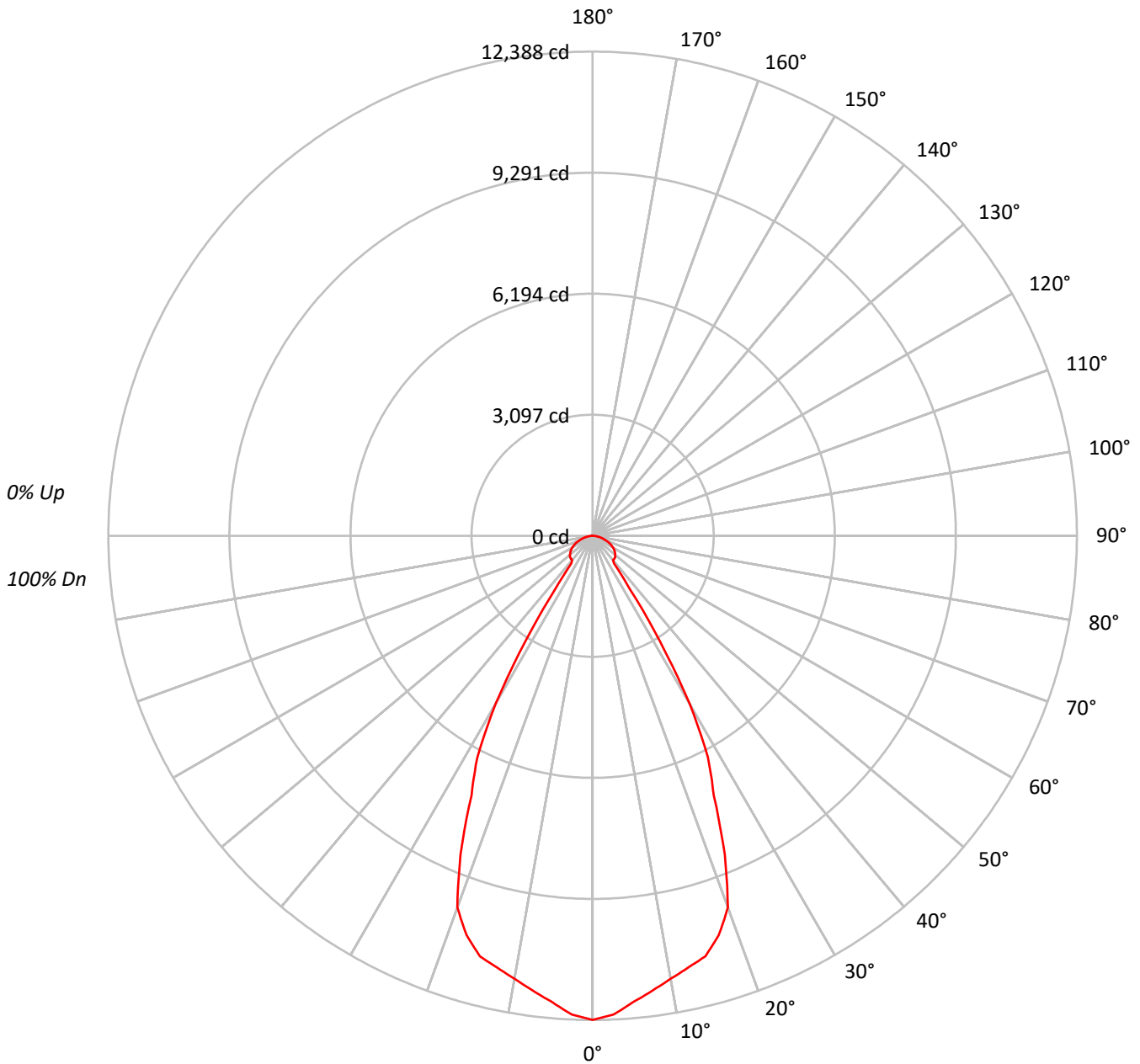


Downlight

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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°	1353511
5°	1313286
10°	1276681
15°	1259932
20°	1176519
25°	883856
30°	624812
35°	221322
40°	116372
45°	123954
50°	128352
55°	130772
60°	131572
65°	128801
70°	121553
75°	112588
80°	99981
85°	81110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 131609 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1129.4	10.3
10°-20°	3097.9	28.1
20°-30°	3411.9	31.0
30°-40°	1303.6	11.8
40°-50°	615.5	5.6
50°-60°	611.9	5.6
60°-70°	489.9	4.4
70°-80°	281.6	2.6
80°-90°	76.6	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°	7639.2	69.3
0°-40°	8942.9	81.2
0°-60°	10170.3	92.3
0°-90°	11018.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11018.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12388	
5°	11974	###
15°	11138	3098
25°	7332	3412
35°	1659	1304
45°	802	616
55°	686	612
65°	498	490
75°	267	282
85°	65	77
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12387.9
2.5°	12258.4
5°	11974.0
7.5°	11736.7
10°	11507.2
12.5°	11313.1
15°	11138.5
17.5°	10716.8
20°	10118.6
22.5°	8828.0
25°	7331.5
27.5°	6382.2
30°	4952.4
32.5°	3199.0
35°	1659.3
37.5°	896.3
40°	815.9
42.5°	810.0
45°	802.2
47.5°	784.5
50°	755.1
52.5°	721.8
55°	686.5
57.5°	647.2
60°	602.1
62.5°	551.1
65°	498.2
67.5°	439.3
70°	380.5
72.5°	321.7
75°	266.7
77.5°	209.9
80°	158.9
82.5°	111.8
85°	64.7
87.5°	25.5
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)