

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: P773952

Luminaire Tested: LD6D90BD010-EU6DR6570959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR6570959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9284.3 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

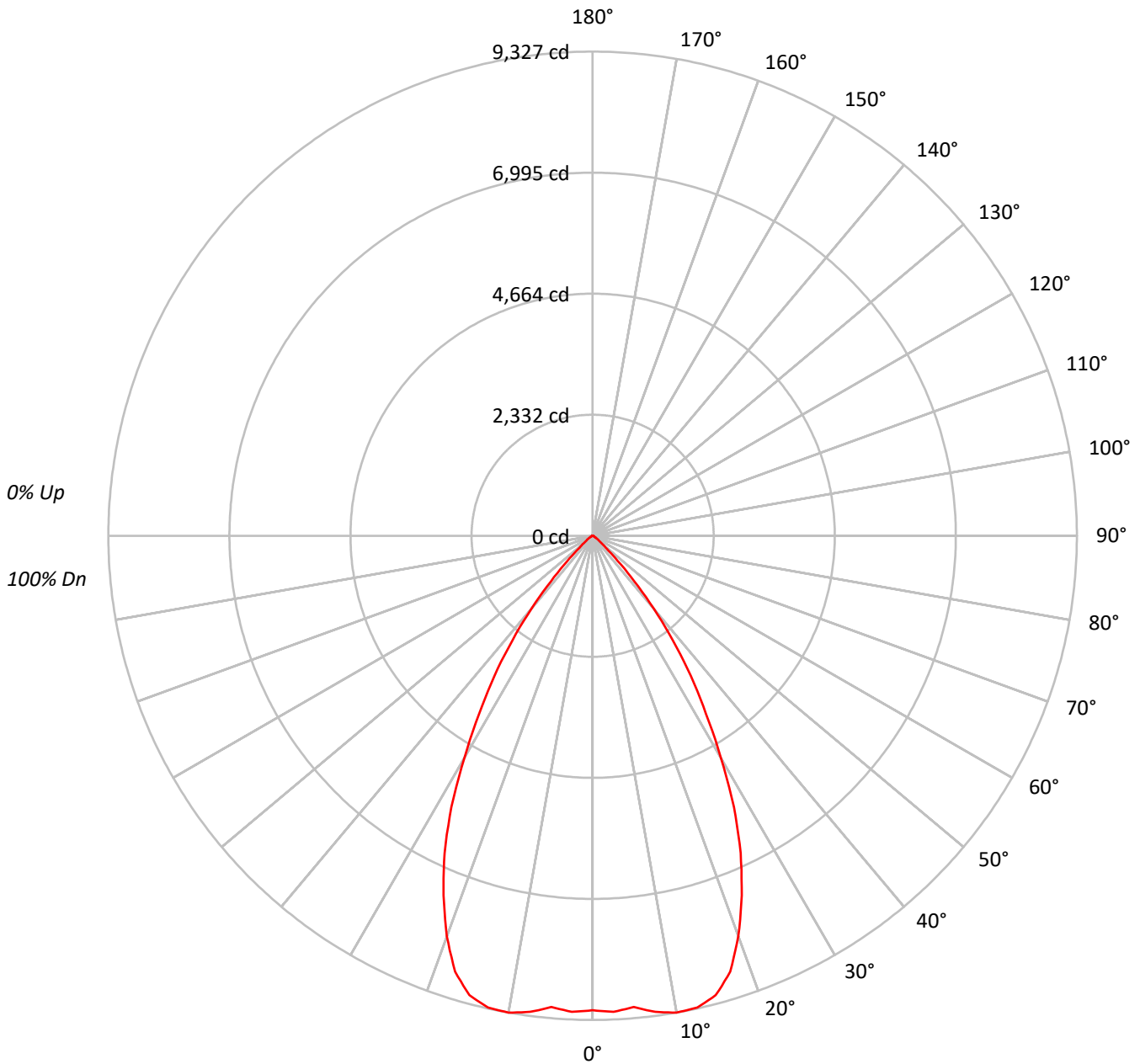


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	998753
5°	999573
10°	1034774
15°	1036485
20°	954251
25°	813077
30°	622440
35°	439736
40°	259572
45°	105381
50°	38194
55°	21278
60°	12215
65°	6722
70°	7060
75°	5488
80°	5726
85°	4889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 105381 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	880.2	9.5
10°-20°	2539.0	27.3
20°-30°	3046.3	32.8
30°-40°	2047.2	22.0
40°-50°	612.8	6.6
50°-60°	108.2	1.2
60°-70°	30.8	0.3
70°-80°	15.1	0.2
80°-90°	4.8	0.1
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°	6465.5	69.6
0°-40°	8512.7	91.7
0°-60°	9233.7	99.5
0°-90°	9284.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9284.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9141	
5°	9114	880
15°	9163	2539
25°	6744	3046
35°	3297	2047
45°	682	613
55°	112	108
65°	26	31
75°	13	15
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9141.0
2.5°	9180.0
5°	9113.7
7.5°	9251.4
10°	9326.8
12.5°	9308.6
15°	9163.1
17.5°	8807.2
20°	8207.0
22.5°	7500.4
25°	6744.4
27.5°	5890.9
30°	4933.6
32.5°	4065.8
35°	3296.8
37.5°	2536.9
40°	1819.9
42.5°	1188.6
45°	682.0
47.5°	361.1
50°	224.7
52.5°	155.9
55°	111.7
57.5°	80.5
60°	55.9
62.5°	36.4
65°	26.0
67.5°	23.4
70°	22.1
72.5°	16.9
75°	13.0
77.5°	11.7
80°	9.1
82.5°	6.5
85°	3.9
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)