

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: P773978

Luminaire Tested: LD6D90BD010-EU6DR6570959035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773978
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-EU6DR6570959035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9665.6 lumens
Efficiency: N/A
Efficacy: 97.7 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

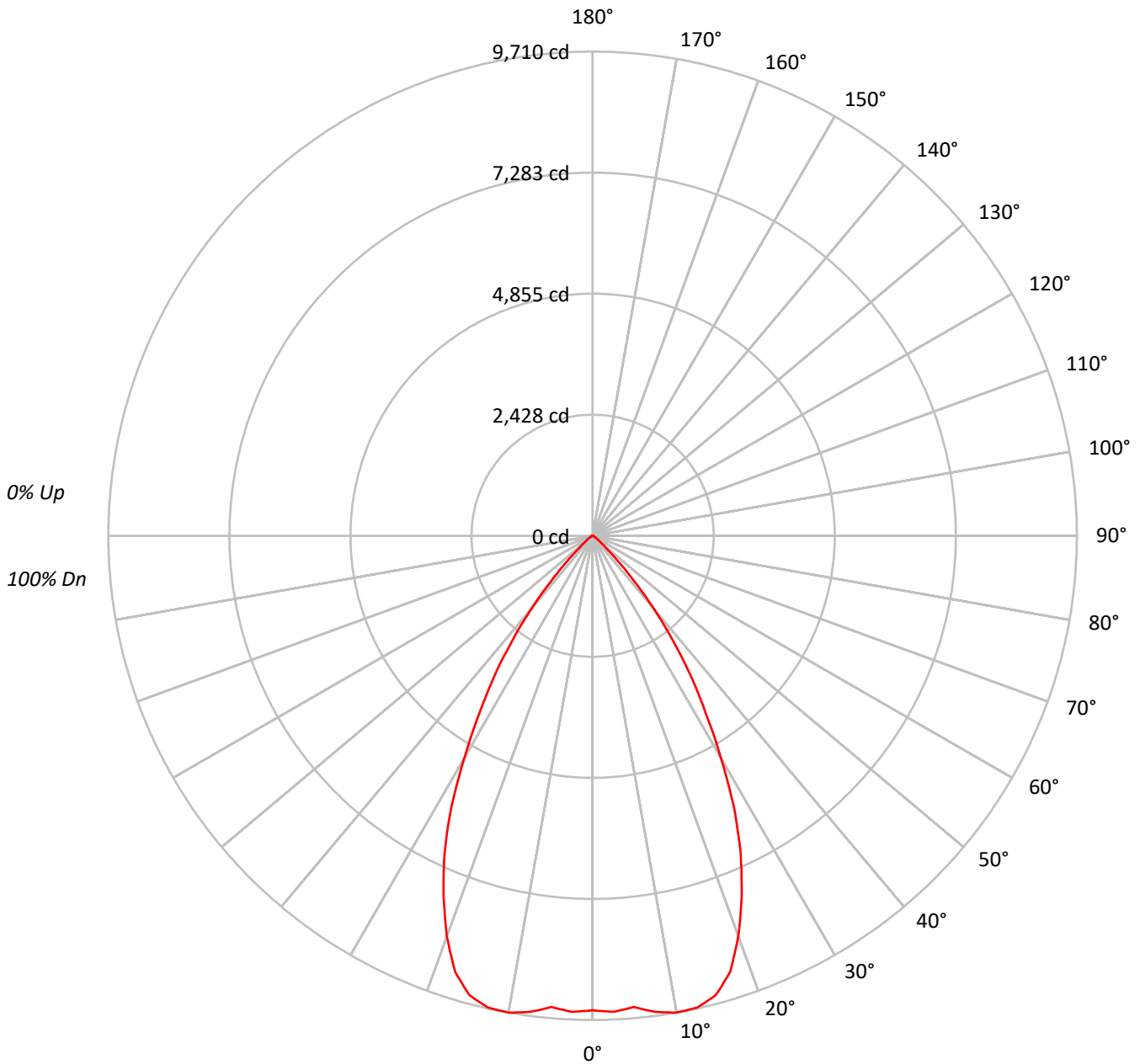


Downlight

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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	50	30	10
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°	1039780
5°	1040637
10°	1077266
15°	1079050
20°	993447
25°	846471
30°	648001
35°	457810
40°	270226
45°	109708
50°	39775
55°	22154
60°	12718
65°	6980
70°	7348
75°	5699
80°	5977
85°	5140

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 109708 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	916.4	9.5
10°-20°	2643.3	27.3
20°-30°	3171.4	32.8
30°-40°	2131.3	22.1
40°-50°	638.0	6.6
50°-60°	112.6	1.2
60°-70°	32.0	0.3
70°-80°	15.7	0.2
80°-90°	5.0	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°	6731.0	69.6
0°-40°	8862.3	91.7
0°-60°	9612.9	99.5
0°-90°	9665.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9665.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9516	
5°	9488	916
15°	9539	2643
25°	7021	3171
35°	3432	2131
45°	710	638
55°	116	113
65°	27	32
75°	14	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9516.5
2.5°	9557.0
5°	9488.1
7.5°	9631.4
10°	9709.8
12.5°	9690.9
15°	9539.4
17.5°	9168.9
20°	8544.1
22.5°	7808.4
25°	7021.4
27.5°	6132.9
30°	5136.2
32.5°	4232.8
35°	3432.3
37.5°	2641.1
40°	1894.6
42.5°	1237.4
45°	710.0
47.5°	376.0
50°	234.0
52.5°	162.3
55°	116.3
57.5°	83.8
60°	58.2
62.5°	37.9
65°	27.0
67.5°	24.3
70°	23.0
72.5°	17.6
75°	13.5
77.5°	12.2
80°	9.5
82.5°	6.8
85°	4.1
87.5°	2.7
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)