

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: P773979

Luminaire Tested: LD6D90BD010-EU6DR6570959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773979
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-EU6DR6570959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 10148.9 lumens
Efficiency: N/A
Efficacy: 102.6 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

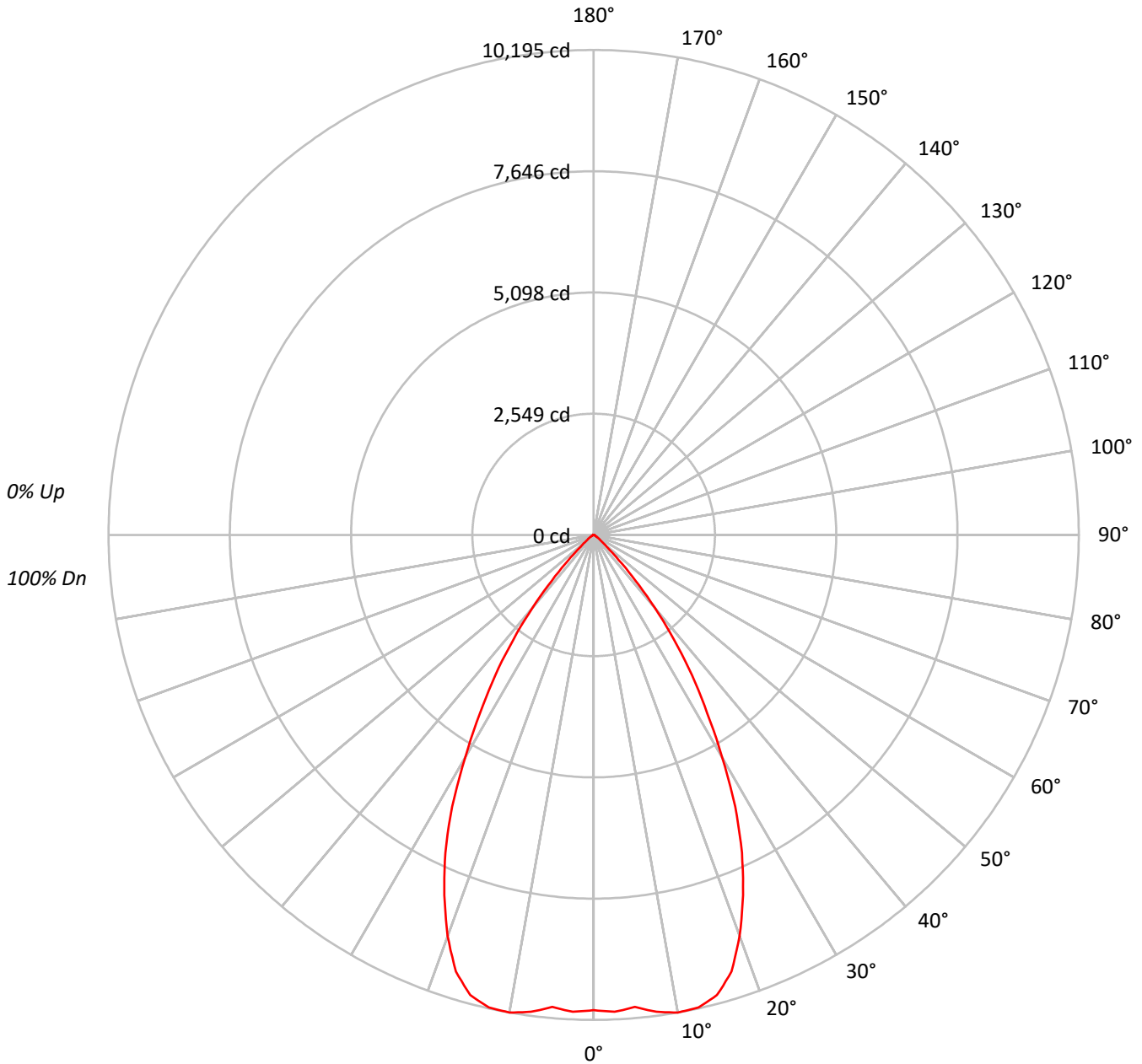
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1091766
5°	1092668
10°	1131131
15°	1133006
20°	1043119
25°	888786
30°	680399
35°	480698
40°	283748
45°	115193
50°	41764
55°	23259
60°	13352
65°	7342
70°	7699
75°	5995
80°	6229
85°	5391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 115193 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	962.2	9.5
10°-20°	2775.4	27.3
20°-30°	3330.0	32.8
30°-40°	2237.9	22.1
40°-50°	669.9	6.6
50°-60°	118.2	1.2
60°-70°	33.6	0.3
70°-80°	16.5	0.2
80°-90°	5.2	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°	7067.6	69.6
0°-40°	9305.4	91.7
0°-60°	10093.6	99.5
0°-90°	10148.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10148.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9992	
5°	9962	962
15°	10016	2775
25°	7372	3330
35°	3604	2238
45°	746	670
55°	122	118
65°	28	34
75°	14	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9992.3
2.5°	10034.9
5°	9962.5
7.5°	10113.0
10°	10195.3
12.5°	10175.4
15°	10016.4
17.5°	9627.3
20°	8971.3
22.5°	8198.9
25°	7372.4
27.5°	6439.5
30°	5393.0
32.5°	4444.5
35°	3603.9
37.5°	2773.2
40°	1989.4
42.5°	1299.3
45°	745.5
47.5°	394.7
50°	245.7
52.5°	170.4
55°	122.1
57.5°	88.0
60°	61.1
62.5°	39.8
65°	28.4
67.5°	25.6
70°	24.1
72.5°	18.5
75°	14.2
77.5°	12.8
80°	9.9
82.5°	7.1
85°	4.3
87.5°	2.8
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)