

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: P774005

Luminaire Tested: LD6D90BD010-EU6DR6570959050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774005
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-EU6DR6570959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10699.2 lumens
Efficiency: N/A
Efficacy: 108.2 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

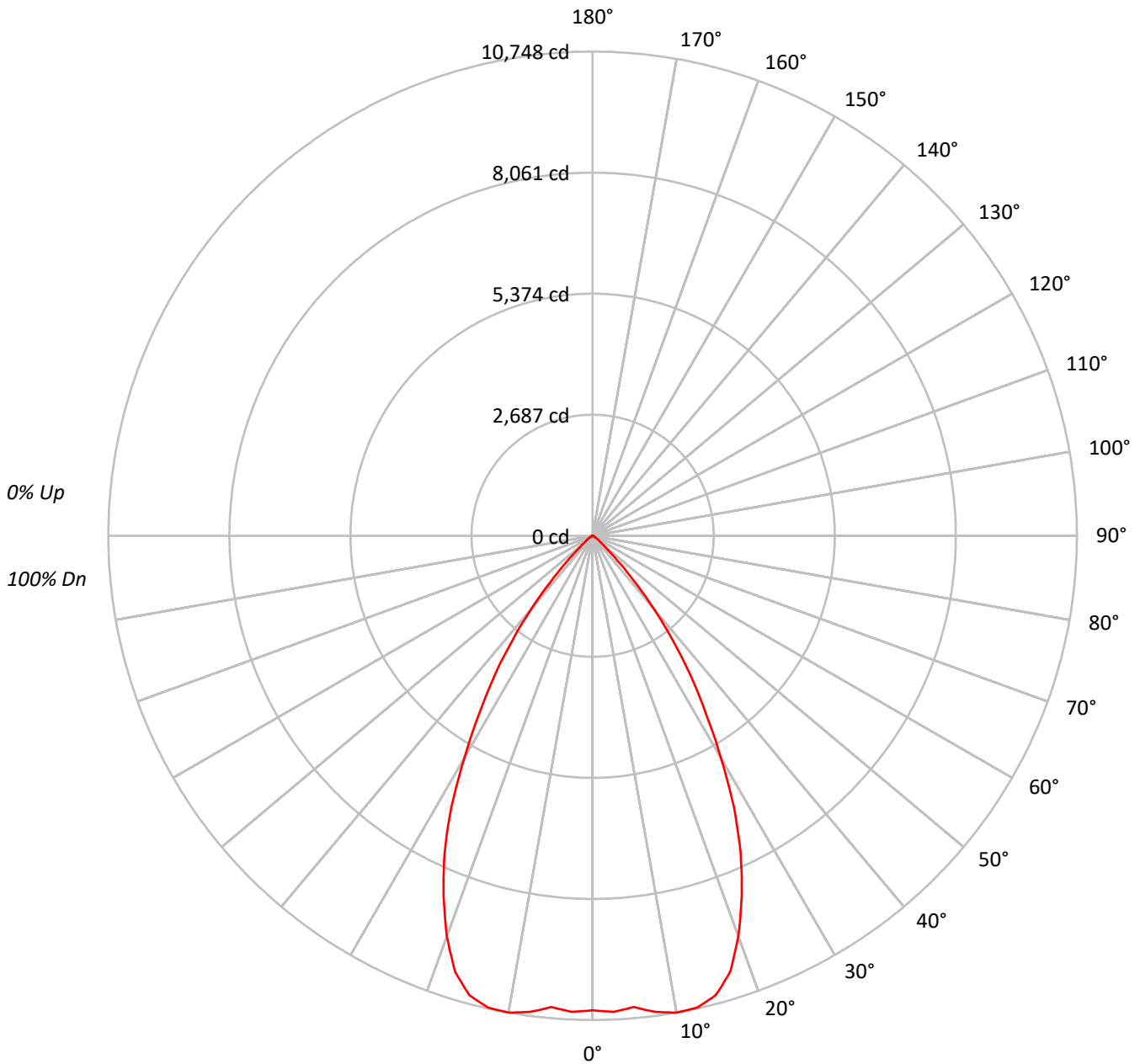
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1150964
5°	1151916
10°	1192473
15°	1194450
20°	1099686
25°	936985
30°	717302
35°	506761
40°	299123
45°	121436
50°	44025
55°	24516
60°	14073
65°	7730
70°	8114
75°	6332
80°	6607
85°	5641

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 121436 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1014.3	9.5
10°-20°	2925.9	27.3
20°-30°	3510.6	32.8
30°-40°	2359.2	22.1
40°-50°	706.2	6.6
50°-60°	124.6	1.2
60°-70°	35.4	0.3
70°-80°	17.4	0.2
80°-90°	5.5	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°	7450.8	69.6
0°-40°	9810.1	91.7
0°-60°	10640.9	99.5
0°-90°	10699.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10699.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10534	
5°	10503	###
15°	10560	2926
25°	7772	3511
35°	3799	2359
45°	786	706
55°	129	125
65°	30	35
75°	15	17
85°	4	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10534.1
2.5°	10579.1
5°	10502.7
7.5°	10661.4
10°	10748.2
12.5°	10727.3
15°	10559.6
17.5°	10149.4
20°	9457.8
22.5°	8643.5
25°	7772.2
27.5°	6788.7
30°	5685.5
32.5°	4685.5
35°	3799.3
37.5°	2923.6
40°	2097.2
42.5°	1369.7
45°	785.9
47.5°	416.2
50°	259.0
52.5°	179.6
55°	128.7
57.5°	92.8
60°	64.4
62.5°	41.9
65°	29.9
67.5°	26.9
70°	25.4
72.5°	19.5
75°	15.0
77.5°	13.5
80°	10.5
82.5°	7.5
85°	4.5
87.5°	3.0
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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