

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: P773509

Luminaire Tested: LD6D90BD010-EU6DR3570959035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR3570959035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9119.8 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

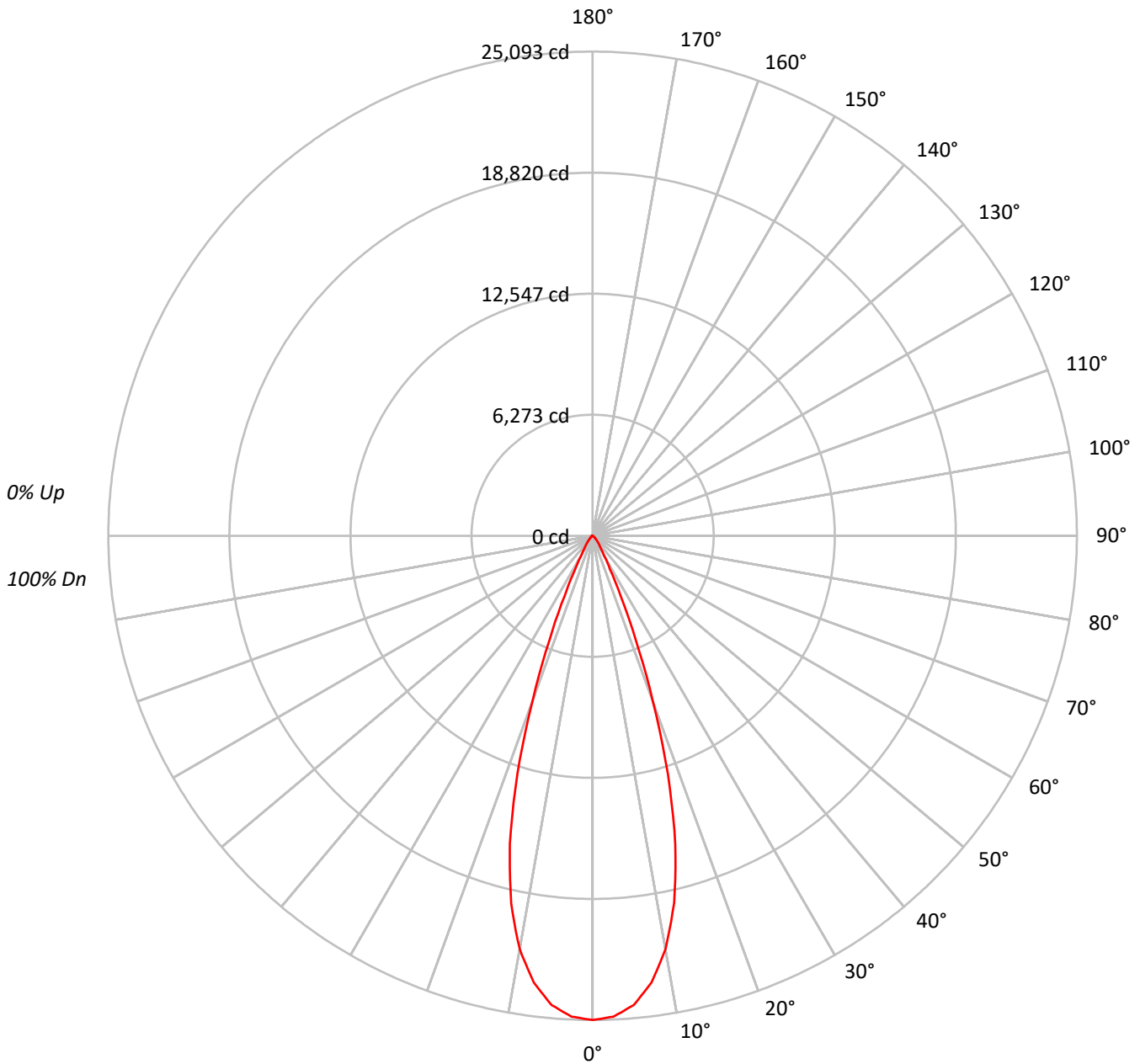
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100														
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96					96														
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92					92														
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88					88														
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84					84														
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81					81														
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78					78														
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75					75														
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72					72														
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70					70														
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68					68														

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2741669
5°	2677254
10°	2412915
15°	1872812
20°	1062222
25°	413254
30°	154172
35°	84511
40°	55241
45°	33623
50°	21400
55°	15125
60°	11057
65°	6024
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 33623 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2245.0	24.6
10°-20°	4383.2	48.1
20°-30°	1787.6	19.6
30°-40°	427.8	4.7
40°-50°	178.3	2.0
50°-60°	73.8	0.8
60°-70°	23.1	0.3
70°-80°	0.5	0.0
80°-90°	0.4	0.0
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°	8415.9	92.3
0°-40°	8843.7	97.0
0°-60°	9095.7	99.7
0°-90°	9119.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9119.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25093	
5°	24410	###
15°	16557	4383
25°	3428	1788
35°	634	428
45°	218	178
55°	79	74
65°	23	23
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	25092.9
2.5°	24942.4
5°	24410.1
7.5°	23348.2
10°	21748.5
12.5°	19496.0
15°	16556.7
17.5°	12961.8
20°	9135.6
22.5°	5825.4
25°	3427.9
27.5°	1937.7
30°	1222.0
32.5°	858.0
35°	633.6
37.5°	489.9
40°	387.3
42.5°	298.3
45°	217.6
47.5°	162.8
50°	125.9
52.5°	99.9
55°	79.4
57.5°	64.3
60°	50.6
62.5°	36.9
65°	23.3
67.5°	8.2
70°	1.4
72.5°	1.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.4
85°	0.0
87.5°	0.0
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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