

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: P773900

Luminaire Tested: LD6D90BD010-EU6DR6070959035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR6070959035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11061.9 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

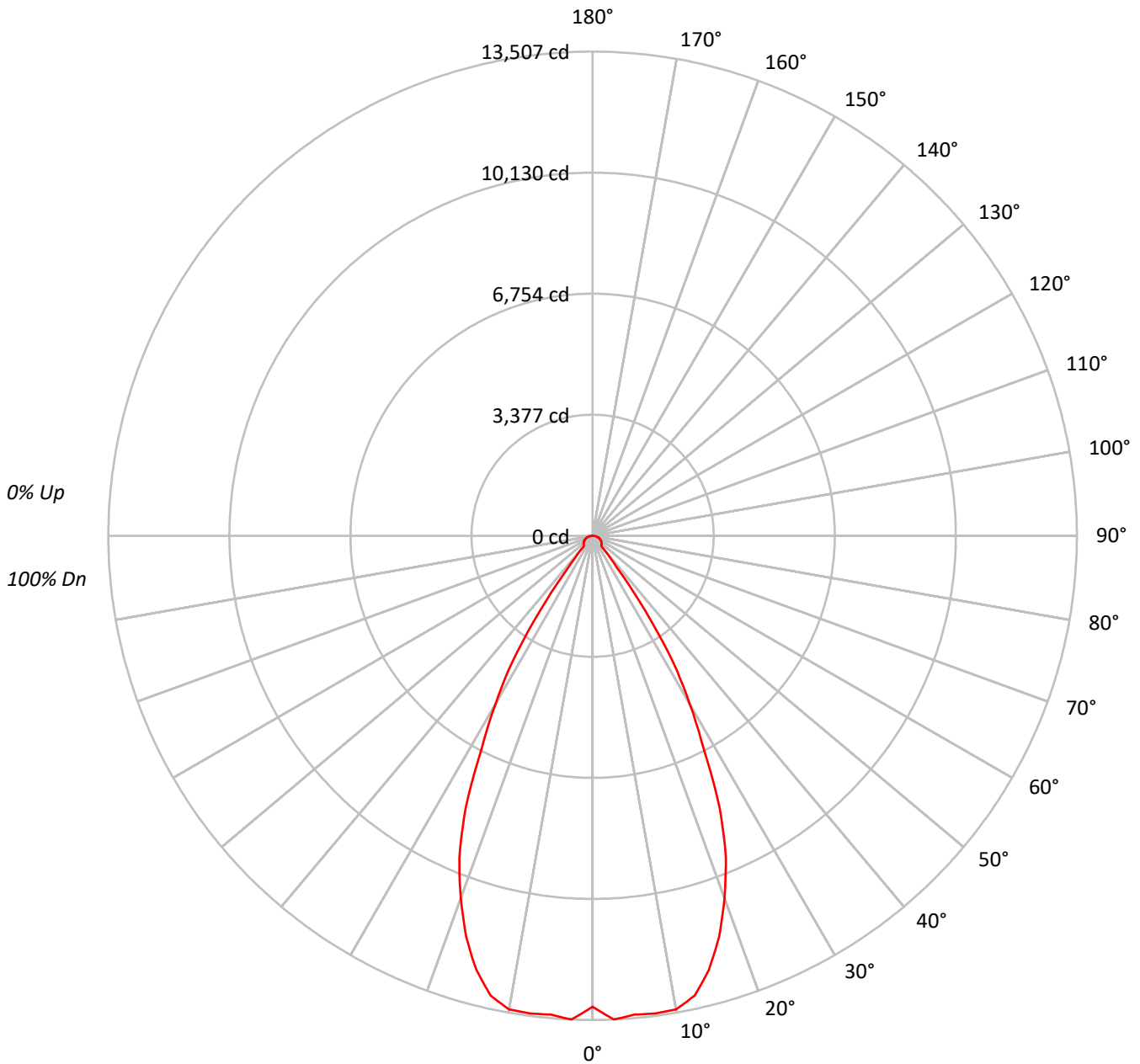
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1435402
5°	1470707
10°	1488466
15°	1417965
20°	1250212
25°	1011211
30°	683995
35°	342754
40°	55597
45°	54421
50°	55515
55°	56347
60°	57908
65°	59230
70°	60633
75°	61339
80°	59146
85°	49268

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 61339 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1281.6	11.6
10°-20°	3467.4	31.3
20°-30°	3730.7	33.7
30°-40°	1621.6	14.7
40°-50°	272.4	2.5
50°-60°	264.9	2.4
60°-70°	226.5	2.0
70°-80°	151.6	1.4
80°-90°	45.3	0.4
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°	8479.7	76.7
0°-40°	10101.3	91.3
0°-60°	10638.5	96.2
0°-90°	11061.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11061.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13137	
5°	13409	###
15°	12536	3467
25°	8388	3731
35°	2570	1622
45°	352	272
55°	296	265
65°	229	227
75°	145	152
85°	39	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13137.4
2.5°	13506.7
5°	13409.3
7.5°	13440.1
10°	13416.1
12.5°	13139.2
15°	12535.6
17.5°	11725.2
20°	10752.4
22.5°	9711.2
25°	8387.9
27.5°	6708.9
30°	5421.5
32.5°	4178.5
35°	2569.7
37.5°	1099.3
40°	389.8
42.5°	359.0
45°	352.2
47.5°	340.2
50°	326.6
52.5°	311.2
55°	295.8
57.5°	280.4
60°	265.0
62.5°	247.9
65°	229.1
67.5°	210.3
70°	189.8
72.5°	167.6
75°	145.3
77.5°	119.7
80°	94.0
82.5°	66.7
85°	39.3
87.5°	13.7
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)