

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: P774057

Luminaire Tested: LD6D90BD010-EU6DR7070959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR7070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11691.2 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

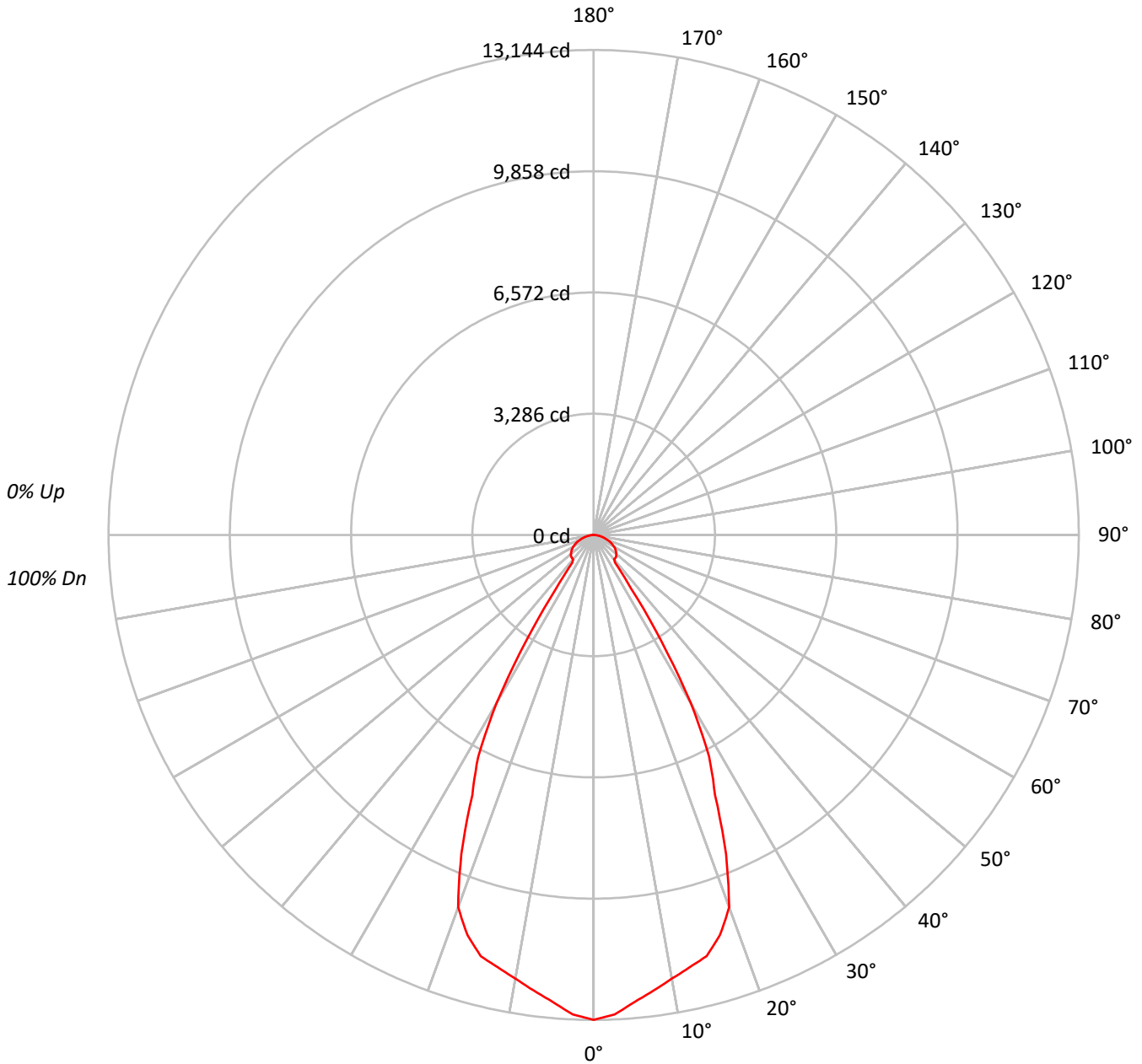
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1436156
5°	1393482
10°	1354643
15°	1336862
20°	1248352
25°	937828
30°	662964
35°	234834
40°	123475
45°	131526
50°	136188
55°	138753
60°	139613
65°	136661
70°	128965
75°	119469
80°	106084
85°	86124

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 139662 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1198.4	10.3
10°-20°	3287.1	28.1
20°-30°	3620.3	31.0
30°-40°	1383.2	11.8
40°-50°	653.1	5.6
50°-60°	649.3	5.6
60°-70°	519.9	4.4
70°-80°	298.8	2.6
80°-90°	81.2	0.7
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°	8105.7	69.3
0°-40°	9488.9	81.2
0°-60°	10791.3	92.3
0°-90°	11691.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11691.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13144	
5°	12705	###
15°	11819	3287
25°	7779	3620
35°	1761	1383
45°	851	653
55°	728	649
65°	529	520
75°	283	299
85°	69	81
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13144.3
2.5°	13006.9
5°	12705.2
7.5°	12453.3
10°	12209.9
12.5°	12003.8
15°	11818.6
17.5°	11371.2
20°	10736.4
22.5°	9367.1
25°	7779.2
27.5°	6771.9
30°	5254.8
32.5°	3394.3
35°	1760.6
37.5°	951.1
40°	865.7
42.5°	859.5
45°	851.2
47.5°	832.4
50°	801.2
52.5°	765.8
55°	728.4
57.5°	686.8
60°	638.9
62.5°	584.8
65°	528.6
67.5°	466.2
70°	403.7
72.5°	341.3
75°	283.0
77.5°	222.7
80°	168.6
82.5°	118.6
85°	68.7
87.5°	27.1
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)