

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: P773874

Luminaire Tested: LD6D90BD010-EU6DR6070959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773874
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-EU6DR6070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10625.5 lumens
Efficiency: N/A
Efficacy: 107.4 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

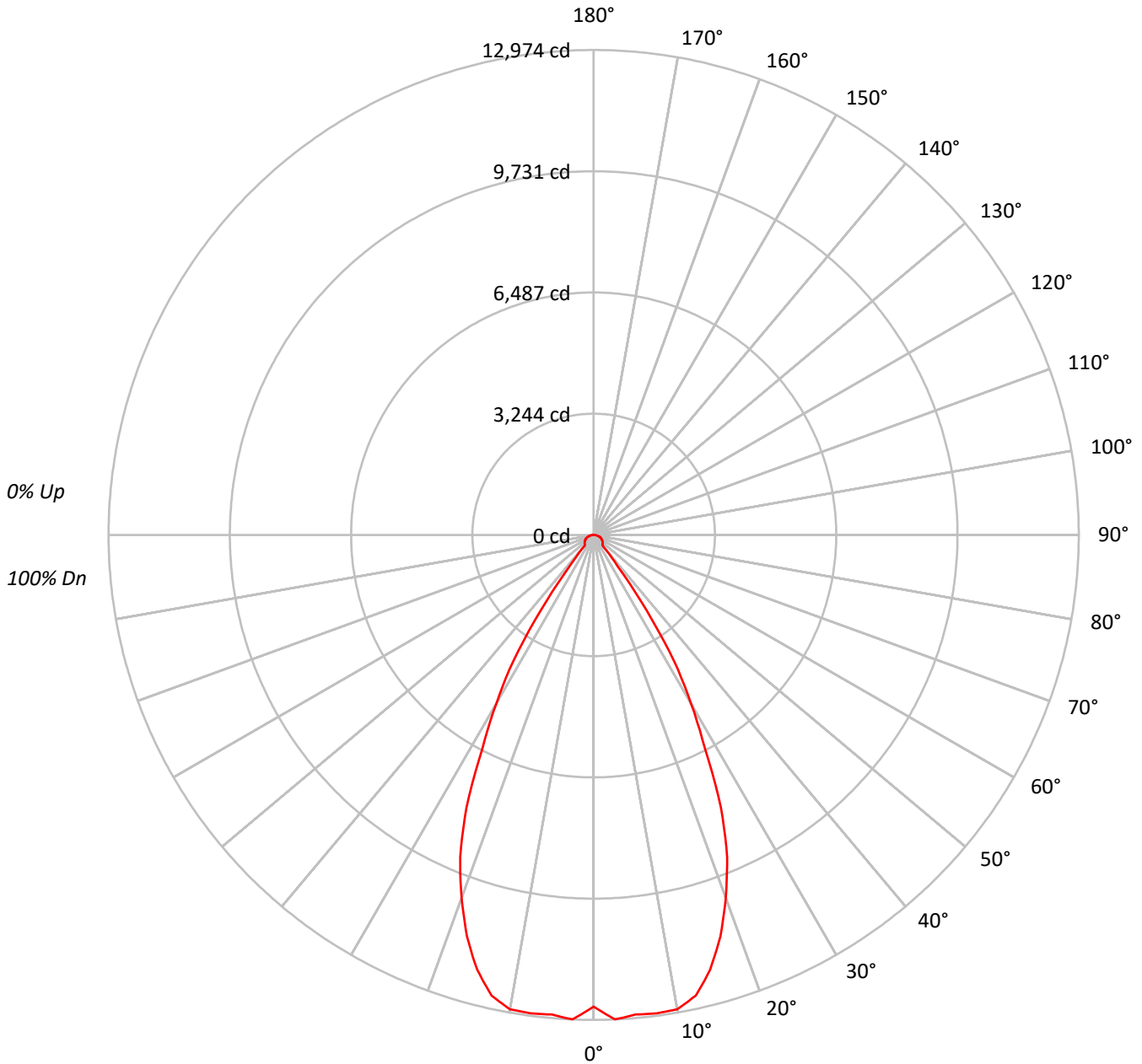
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1378783
5°	1412687
10°	1429742
15°	1362030
20°	1200889
25°	971307
30°	657009
35°	329229
40°	53401
45°	52273
50°	53323
55°	54118
60°	55636
65°	56903
70°	58237
75°	58932
80°	56817
85°	47387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 58932 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1231.0	11.6
10°-20°	3330.6	31.3
20°-30°	3583.5	33.7
30°-40°	1557.7	14.7
40°-50°	261.6	2.5
50°-60°	254.4	2.4
60°-70°	217.6	2.0
70°-80°	145.6	1.4
80°-90°	43.5	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°	8145.1	76.7
0°-40°	9702.8	91.3
0°-60°	10218.8	96.2
0°-90°	10625.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10625.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12619	
5°	12880	###
15°	12041	3331
25°	8057	3583
35°	2468	1558
45°	338	262
55°	284	254
65°	220	218
75°	140	146
85°	38	44
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12619.2
2.5°	12973.9
5°	12880.3
7.5°	12909.8
10°	12886.8
12.5°	12620.8
15°	12041.1
17.5°	11262.6
20°	10328.2
22.5°	9328.1
25°	8056.9
27.5°	6444.2
30°	5207.6
32.5°	4013.7
35°	2468.3
37.5°	1056.0
40°	374.4
42.5°	344.9
45°	338.3
47.5°	326.8
50°	313.7
52.5°	298.9
55°	284.1
57.5°	269.3
60°	254.6
62.5°	238.1
65°	220.1
67.5°	202.0
70°	182.3
72.5°	160.9
75°	139.6
77.5°	115.0
80°	90.3
82.5°	64.0
85°	37.8
87.5°	13.1
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)