

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: P771668

Luminaire Tested: LD6D75BD010-EU6DR6570959050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR6570959050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 8383.0 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

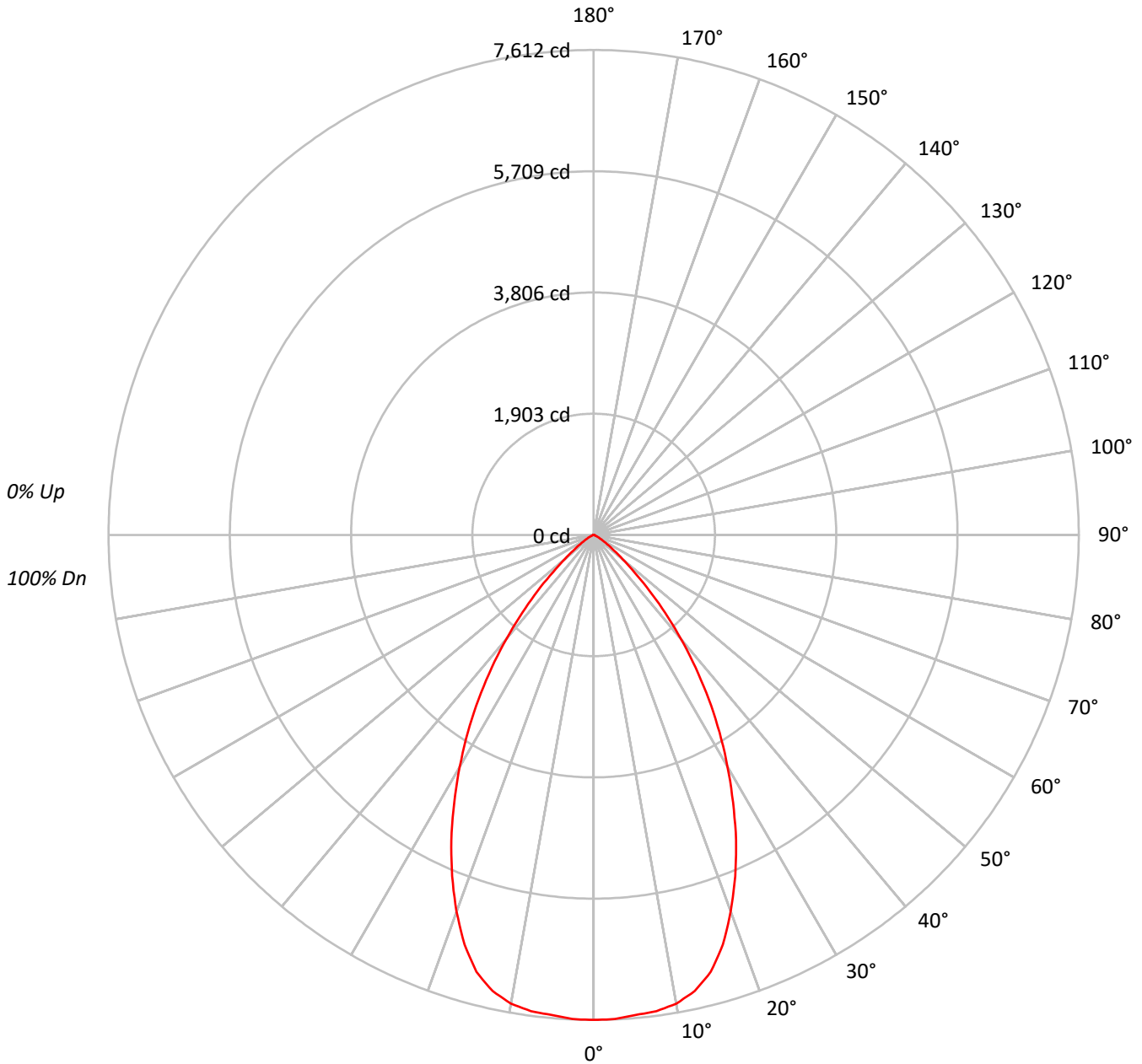
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	444547
5°	443425
10°	443043
15°	429386
20°	390906
25°	340651
30°	283325
35°	224489
40°	162027
45°	102361
50°	53353
55°	28358
60°	14893
65°	8195
70°	3432
75°	3791
80°	2623
85°	2278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 102361 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	719.8	8.6
10°-20°	1971.1	23.5
20°-30°	2409.4	28.7
30°-40°	1954.9	23.3
40°-50°	974.2	11.6
50°-60°	271.7	3.2
60°-70°	61.8	0.7
70°-80°	16.1	0.2
80°-90°	4.1	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°	5100.3	60.8
0°-40°	7055.2	84.2
0°-60°	8301.1	99.0
0°-90°	8383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8383.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7612	
5°	7564	720
15°	7102	1971
25°	5286	2409
35°	3149	1955
45°	1239	974
55°	278	272
65°	59	62
75°	17	16
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7611.6
2.5°	7606.0
5°	7563.5
7.5°	7538.9
10°	7470.6
12.5°	7331.9
15°	7101.5
17.5°	6741.4
20°	6289.5
22.5°	5801.8
25°	5286.2
27.5°	4734.7
30°	4201.2
32.5°	3674.4
35°	3148.6
37.5°	2624.1
40°	2125.2
42.5°	1657.7
45°	1239.3
47.5°	863.5
50°	587.2
52.5°	404.9
55°	278.5
57.5°	187.9
60°	127.5
62.5°	88.4
65°	59.3
67.5°	30.2
70°	20.1
72.5°	19.0
75°	16.8
77.5°	11.2
80°	7.8
82.5°	5.6
85°	3.4
87.5°	2.2
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)