

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: P771641

Luminaire Tested: LD6D75BD010-EU6DR6570959035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771641
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-EU6DR6570959035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7383.0 lumens
Efficiency: N/A
Efficacy: 102.0 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

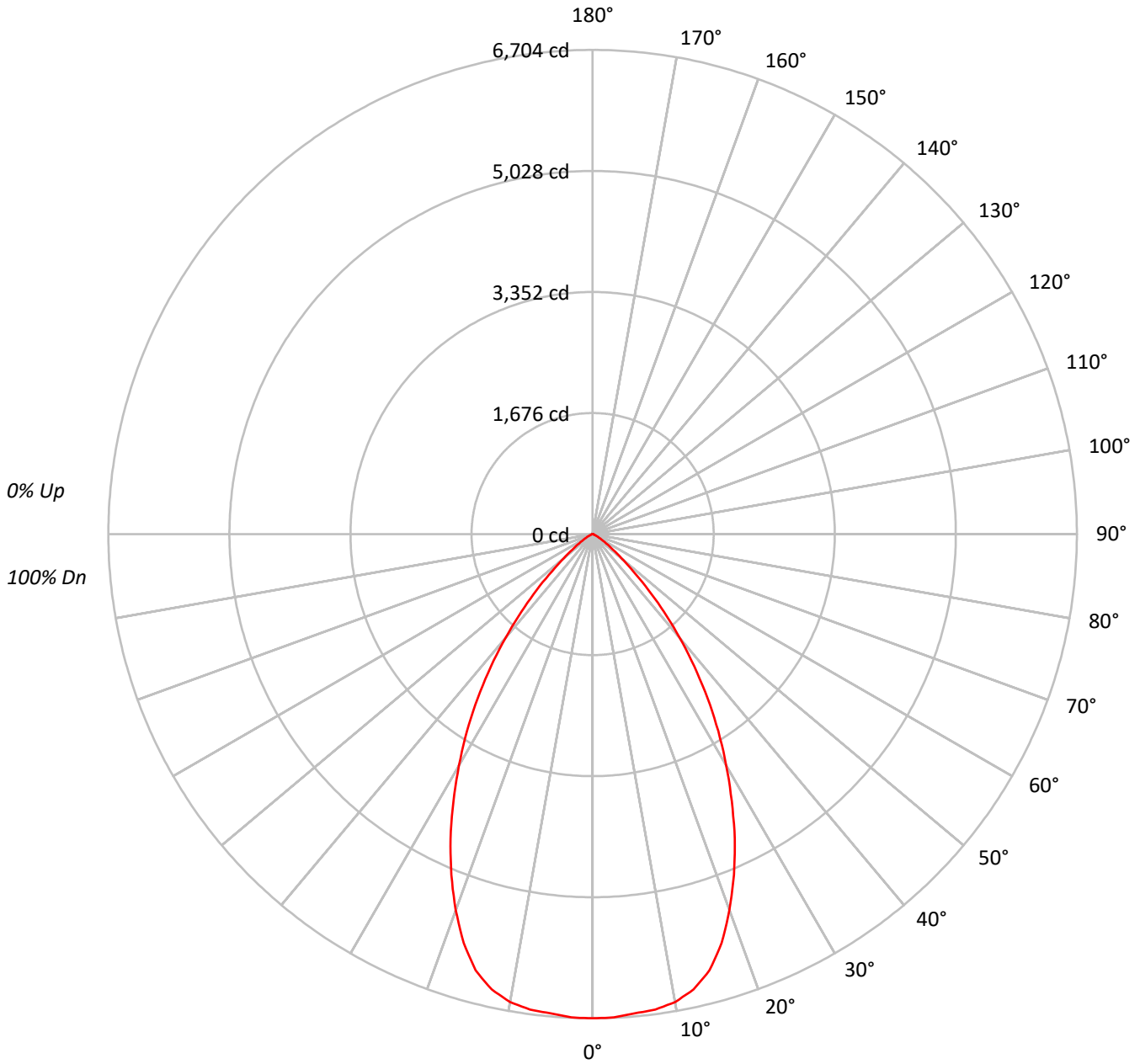
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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			100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	391510
5°	390526
10°	390190
15°	378161
20°	344273
25°	300008
30°	249524
35°	197709
40°	142700
45°	90153
50°	46993
55°	24977
60°	13118
65°	7214
70°	3022
75°	3340
80°	2321
85°	2010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 90153 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.9	8.6
10°-20°	1736.0	23.5
20°-30°	2122.0	28.7
30°-40°	1721.7	23.3
40°-50°	858.0	11.6
50°-60°	239.3	3.2
60°-70°	54.4	0.7
70°-80°	14.2	0.2
80°-90°	3.6	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°	4491.9	60.8
0°-40°	6213.6	84.2
0°-60°	7310.8	99.0
0°-90°	7383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7383.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6704	
5°	6661	634
15°	6254	1736
25°	4656	2122
35°	2773	1722
45°	1092	858
55°	245	239
65°	52	54
75°	15	14
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6703.5
2.5°	6698.6
5°	6661.2
7.5°	6639.5
10°	6579.4
12.5°	6457.3
15°	6254.3
17.5°	5937.1
20°	5539.2
22.5°	5109.7
25°	4655.5
27.5°	4169.9
30°	3700.0
32.5°	3236.0
35°	2773.0
37.5°	2311.0
40°	1871.7
42.5°	1459.9
45°	1091.5
47.5°	760.5
50°	517.2
52.5°	356.6
55°	245.3
57.5°	165.5
60°	112.3
62.5°	77.8
65°	52.2
67.5°	26.6
70°	17.7
72.5°	16.7
75°	14.8
77.5°	9.9
80°	6.9
82.5°	4.9
85°	3.0
87.5°	2.0
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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