

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: P771617

Luminaire Tested: LD6D75BD010-EU6DR6570959027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771617
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-EU6DR6570959027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8020.1 lumens
Efficiency: N/A
Efficacy: 110.8 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

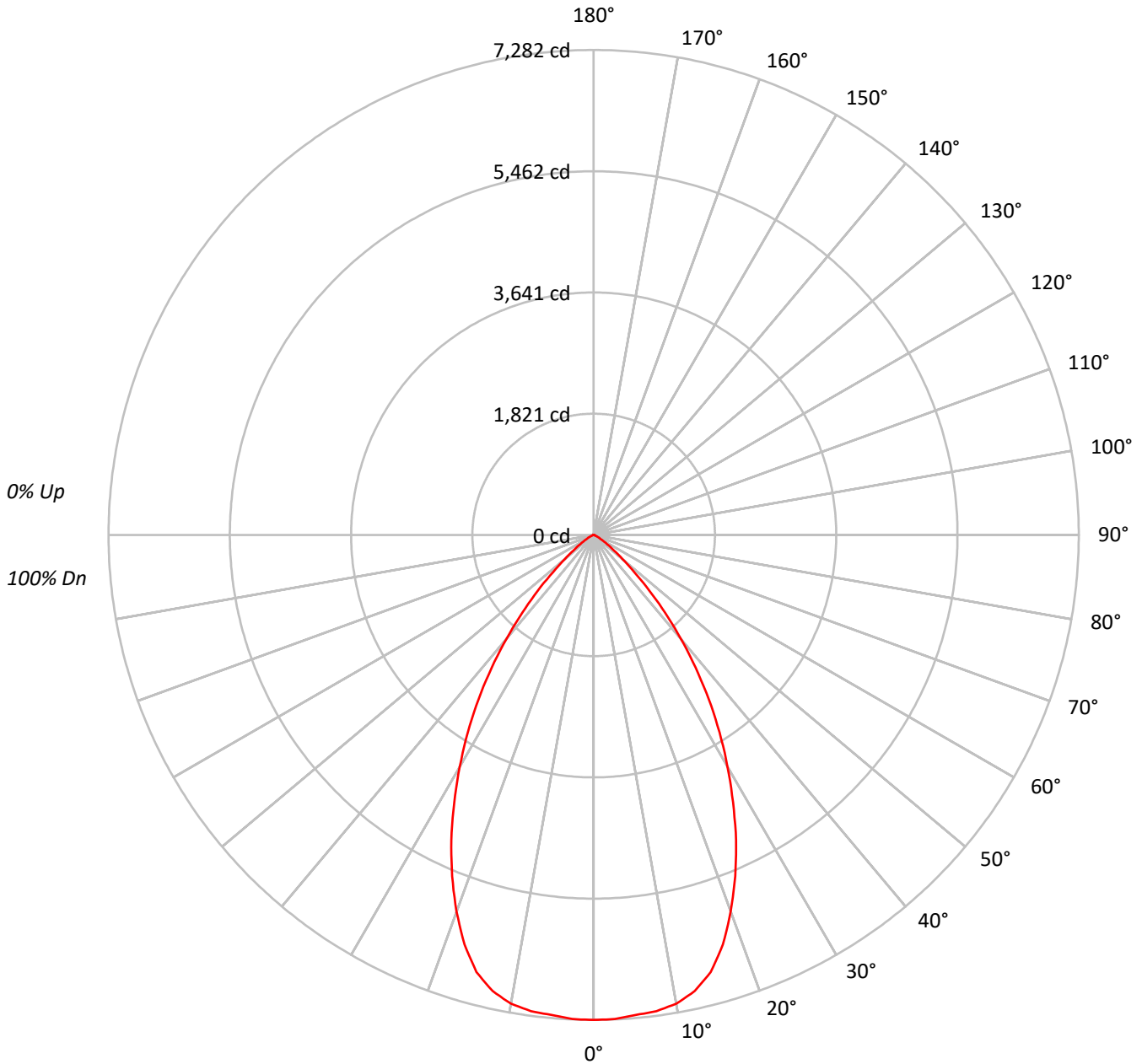
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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			
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°	425297
5°	424219
10°	423858
15°	410793
20°	373975
25°	325894
30°	271057
35°	214771
40°	155013
45°	97934
50°	51045
55°	27136
60°	14251
65°	7836
70°	3296
75°	3633
80°	2523
85°	2144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 97934 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	688.6	8.6
10°-20°	1885.8	23.5
20°-30°	2305.0	28.7
30°-40°	1870.2	23.3
40°-50°	932.0	11.6
50°-60°	260.0	3.2
60°-70°	59.1	0.7
70°-80°	15.4	0.2
80°-90°	3.9	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°	4879.4	60.8
0°-40°	6749.7	84.2
0°-60°	7941.7	99.0
0°-90°	8020.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8020.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7282	
5°	7236	689
15°	6794	1886
25°	5057	2305
35°	3012	1870
45°	1186	932
55°	266	260
65°	57	59
75°	16	15
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7282.0
2.5°	7276.6
5°	7235.9
7.5°	7212.4
10°	7147.1
12.5°	7014.4
15°	6794.0
17.5°	6449.4
20°	6017.1
22.5°	5550.5
25°	5057.2
27.5°	4529.7
30°	4019.3
32.5°	3515.2
35°	3012.3
37.5°	2510.4
40°	2033.2
42.5°	1585.9
45°	1185.7
47.5°	826.1
50°	561.8
52.5°	387.4
55°	266.5
57.5°	179.8
60°	122.0
62.5°	84.5
65°	56.7
67.5°	28.9
70°	19.3
72.5°	18.2
75°	16.1
77.5°	10.7
80°	7.5
82.5°	5.4
85°	3.2
87.5°	2.1
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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