

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: P771644

Luminaire Tested: LD6D75BD010-EU6DR6570959035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771644
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-EU6DR6570959035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7555.9 lumens
Efficiency: N/A
Efficacy: 104.4 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

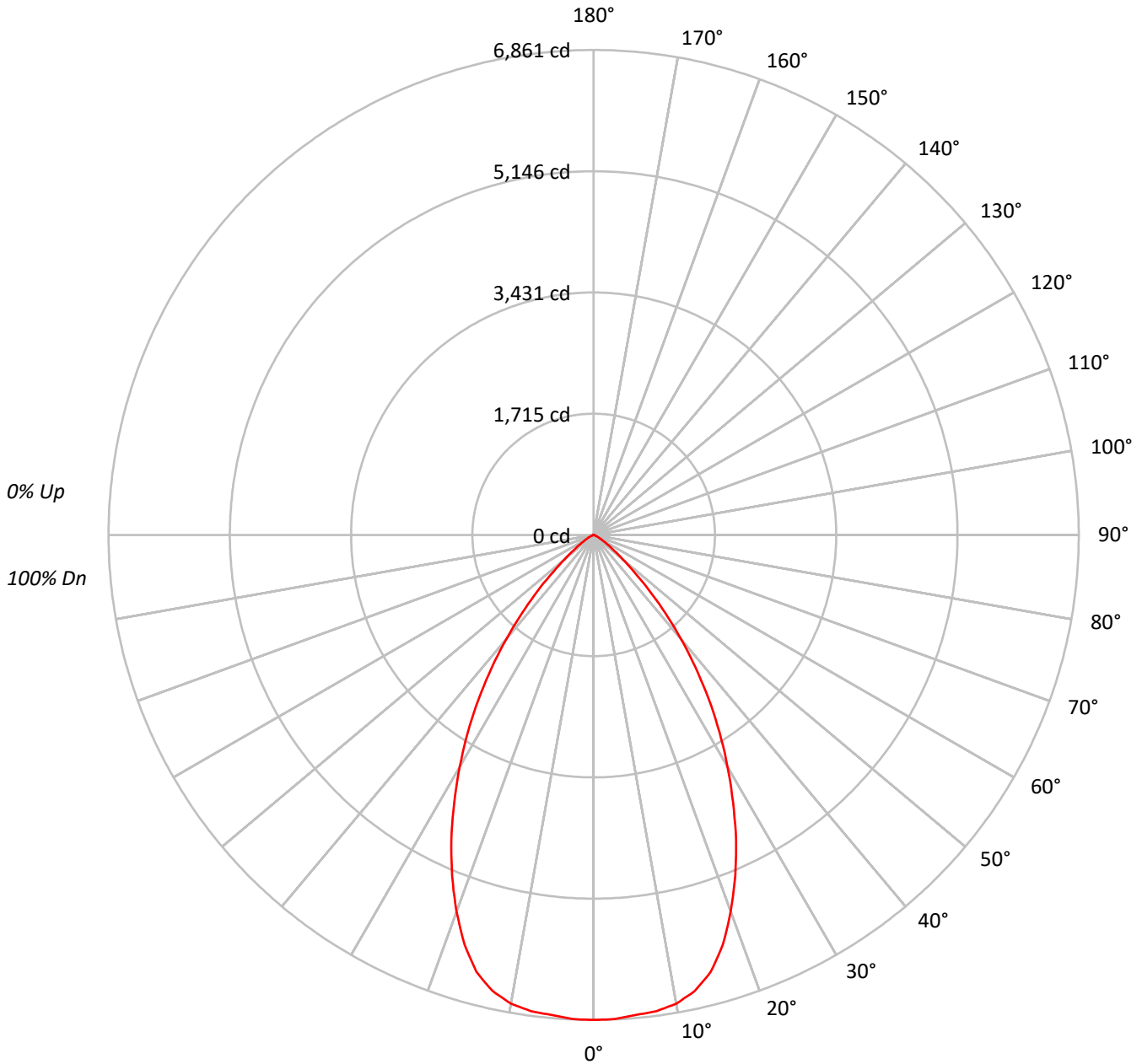


Downlight

TEST NUMBER: P771644

CATALOG NUMBER: LD6D75BD010-EU6DR6570959035-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P771644

CATALOG NUMBER: LD6D75BD010-EU6DR6570959035-6LBS1MW

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°	400686
5°	399678
10°	399335
15°	387025
20°	352340
25°	307038
30°	255371
35°	202344
40°	146039
45°	92267
50°	48092
55°	25558
60°	13421
65°	7380
70°	3091
75°	3407
80°	2388
85°	2010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 92267 cd/sqm



TEST NUMBER: P771644

CATALOG NUMBER: LD6D75BD010-EU6DR6570959035-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.8	8.6
10°-20°	1776.7	23.5
20°-30°	2171.7	28.7
30°-40°	1762.0	23.3
40°-50°	878.1	11.6
50°-60°	244.9	3.2
60°-70°	55.6	0.7
70°-80°	14.5	0.2
80°-90°	3.7	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°	4597.1	60.8
0°-40°	6359.2	84.2
0°-60°	7482.2	99.0
0°-90°	7555.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7555.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6861	
5°	6817	649
15°	6401	1777
25°	4765	2172
35°	2838	1762
45°	1117	878
55°	251	245
65°	53	56
75°	15	14
85°	3	4
90°	0	



TEST NUMBER: P771644

CATALOG NUMBER: LD6D75BD010-EU6DR6570959035-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	6860.6
2.5°	6855.6
5°	6817.3
7.5°	6795.1
10°	6733.6
12.5°	6608.6
15°	6400.9
17.5°	6076.3
20°	5669.0
22.5°	5229.4
25°	4764.6
27.5°	4267.6
30°	3786.7
32.5°	3311.9
35°	2838.0
37.5°	2365.2
40°	1915.5
42.5°	1494.1
45°	1117.1
47.5°	778.3
50°	529.3
52.5°	365.0
55°	251.0
57.5°	169.4
60°	114.9
62.5°	79.6
65°	53.4
67.5°	27.2
70°	18.1
72.5°	17.1
75°	15.1
77.5°	10.1
80°	7.1
82.5°	5.0
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)