

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: P771096

Luminaire Tested: LD6D75BD010-EU6DR3070959035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR3070959035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8861.9 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

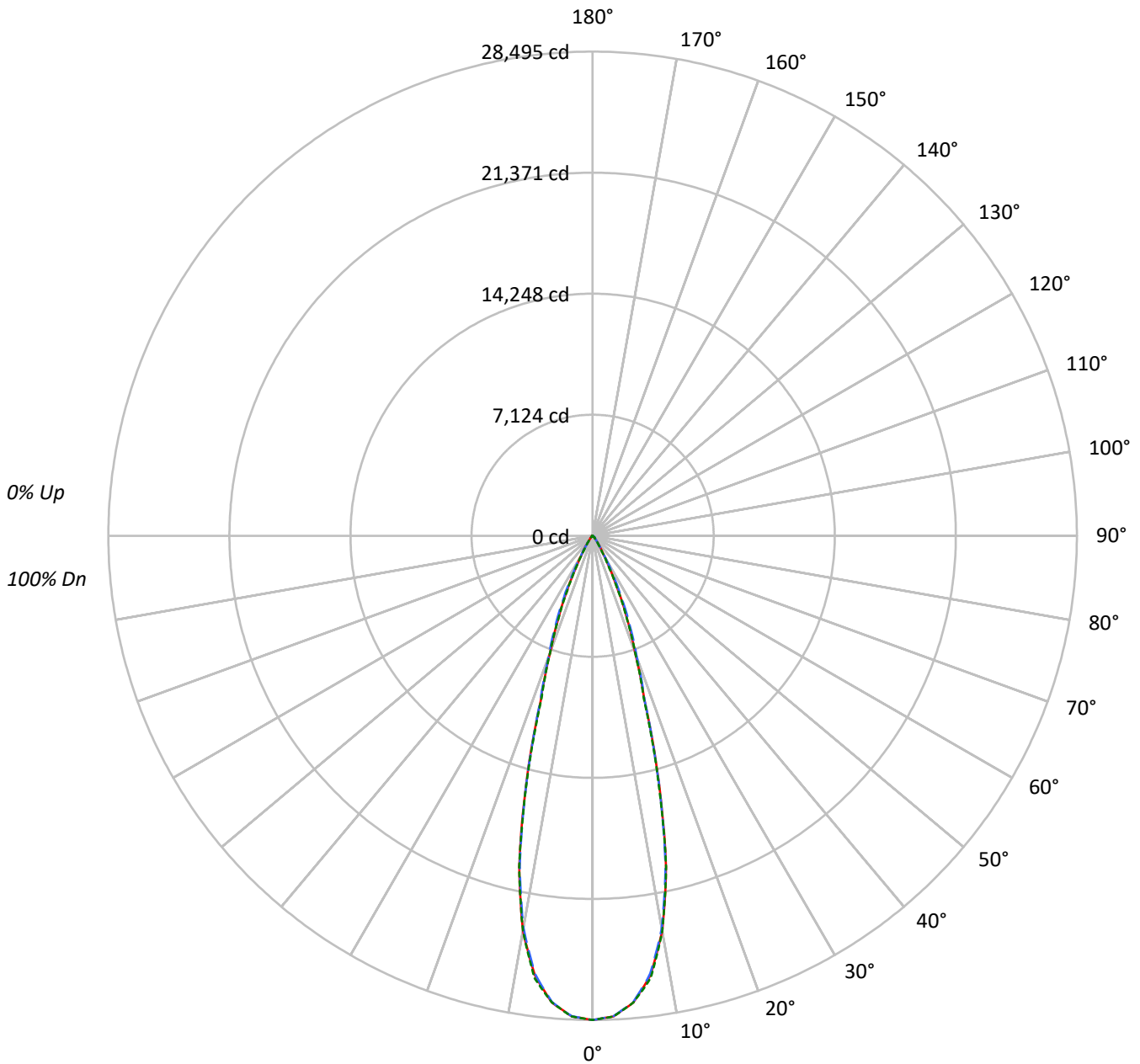


Downlight

TEST NUMBER: P771096

CATALOG NUMBER: LD6D75BD010-EU6DR3070959035-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P771096

CATALOG NUMBER: LD6D75BD010-EU6DR3070959035-6LBS1H

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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2181119	2181119	2181119
5°	2118508	2116034	2118616
10°	1834944	1822011	1834517
15°	1197212	1190785	1184794
20°	595320	617655	594521
25°	299879	338163	293739
30°	120062	130827	104612
35°	55692	53337	44712
40°	24041	26699	22642
45°	16963	21054	17114
50°	5835	15326	6168
55°	3363	6352	3550
60°	2358	2786	2358
65°	1521	1521	1521
70°	940	627	940
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 21054 cd/sqm



TEST NUMBER: P771096

CATALOG NUMBER: LD6D75BD010-EU6DR3070959035-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2505.7	28.3
10°-20°	4035.5	45.5
20°-30°	1743.8	19.7
30°-40°	397.5	4.5
40°-50°	136.5	1.5
50°-60°	33.4	0.4
60°-70°	8.6	0.1
70°-80°	0.9	0.0
80°-90°	0.0	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°	8285.1	93.5
0°-40°	8682.5	98.0
0°-60°	8852.3	99.9
0°-90°	8861.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8861.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28495	28495	28495	28495	28495	
5°	27572	27545	27540	27597	27573	2508
15°	15108	14926	15027	14978	14951	4045
25°	3551	3685	4004	3591	3478	1700
35°	596	609	571	567	478	404
45°	157	194	194	194	158	111
55°	25	27	48	28	27	25
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P771096

CATALOG NUMBER: LD6D75BD010-EU6DR3070959035-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	28495.2	28495.2	28495.2	28495.2	28495.2
2.5°	28306.4	28286.8	28298.0	28312.0	28317.5
5°	27571.9	27545.3	27539.7	27597.1	27573.3
7.5°	26090.3	26052.5	25995.2	26125.3	26247.0
10°	23608.4	23566.5	23442.0	23503.5	23602.9
12.5°	19944.4	19808.7	19805.9	20001.8	19975.2
15°	15108.0	14926.1	15026.9	14977.9	14951.3
17.5°	10159.7	10089.7	10224.0	10183.5	10008.6
20°	7308.5	7326.7	7582.7	7454.0	7298.7
22.5°	5333.1	5398.8	5702.4	5370.8	5249.1
25°	3550.7	3685.0	4004.0	3591.3	3478.0
27.5°	2183.9	2245.4	2568.6	2155.9	2094.3
30°	1358.4	1327.7	1480.2	1270.3	1183.6
32.5°	891.2	852.0	901.0	808.6	738.7
35°	596.0	608.6	570.8	566.6	478.5
37.5°	372.1	428.1	377.7	402.9	307.8
40°	240.6	310.6	267.2	295.2	226.6
42.5°	197.3	239.2	219.6	233.6	201.5
45°	156.7	194.5	194.5	194.5	158.1
47.5°	86.7	130.1	166.5	132.9	92.3
50°	49.0	65.8	128.7	68.6	51.8
52.5°	33.6	37.8	88.1	39.2	35.0
55°	25.2	26.6	47.6	28.0	26.6
57.5°	19.6	21.0	25.2	21.0	19.6
60°	15.4	15.4	18.2	16.8	15.4
62.5°	11.2	11.2	12.6	11.2	11.2
65°	8.4	8.4	8.4	8.4	8.4
67.5°	4.2	5.6	5.6	5.6	5.6
70°	4.2	2.8	2.8	2.8	4.2
72.5°	2.8	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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





— 0°-180° - - 45°-225° - - - - 90°-270°

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)