

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: P771105

Luminaire Tested: LD6D75BD010-EU6DR3070959040-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771105
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-EU6DR3070959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8812.4 lumens
Efficiency: N/A
Efficacy: 121.7 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

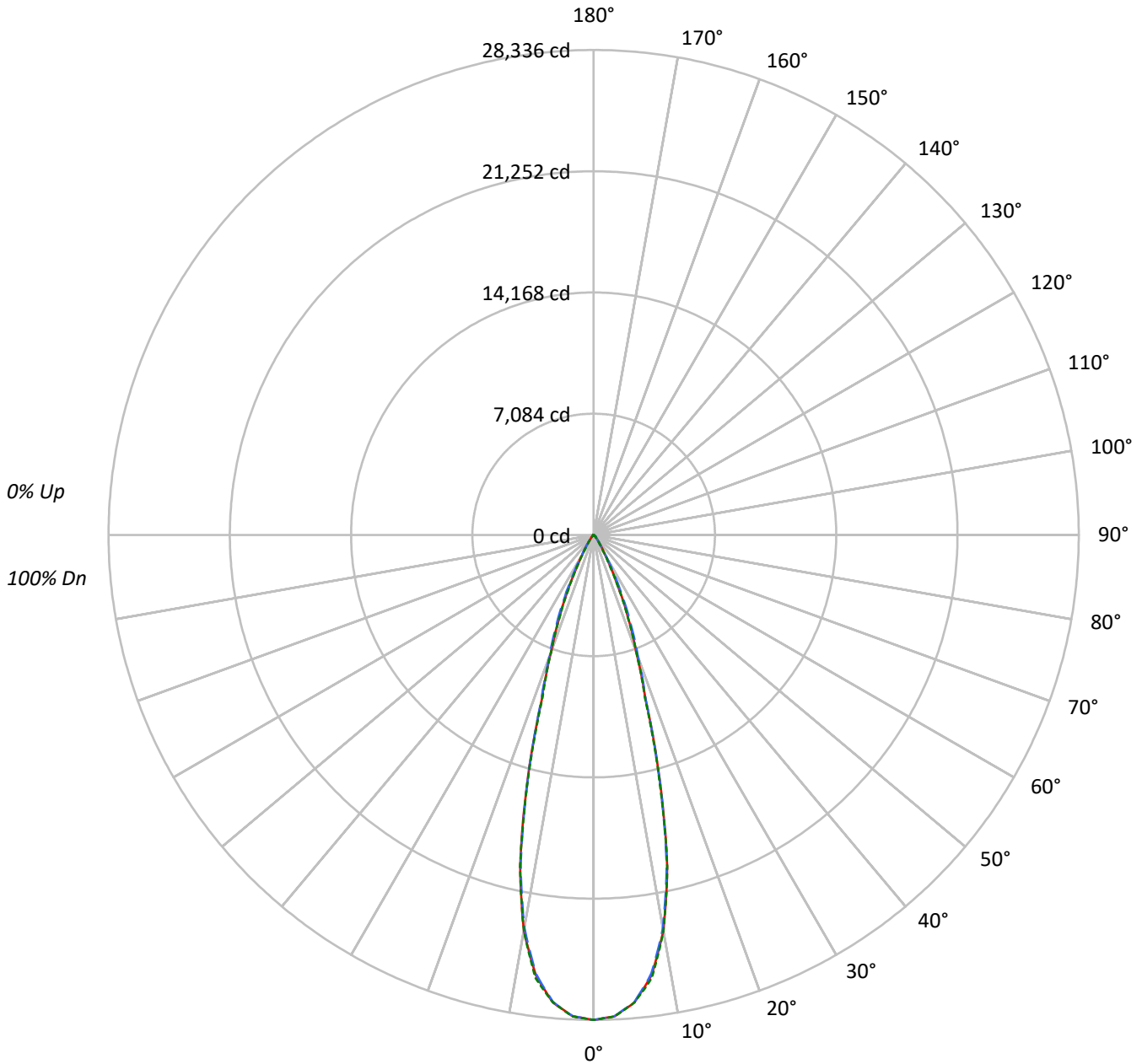
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P771105
CATALOG NUMBER: LD6D75BD010-EU6DR3070959040-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P771105

CATALOG NUMBER: LD6D75BD010-EU6DR3070959040-6LBDP1H

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2168941	2168941	2168941
5°	2106676	2104217	2106783
10°	1824700	1811829	1824265
15°	1190523	1184129	1178177
20°	591996	614201	591198
25°	298207	336271	292092
30°	119399	130093	104029
35°	55383	53038	44460
40°	23911	26549	22522
45°	16865	20935	17017
50°	5799	15242	6133
55°	3336	6312	3523
60°	2342	2771	2342
65°	1503	1503	1503
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: 20935 cd/sqm



TEST NUMBER: P771105

CATALOG NUMBER: LD6D75BD010-EU6DR3070959040-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2491.7	28.3
10°-20°	4012.9	45.5
20°-30°	1734.1	19.7
30°-40°	395.2	4.5
40°-50°	135.7	1.5
50°-60°	33.2	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°	8238.8	93.5
0°-40°	8634.0	98.0
0°-60°	8802.9	99.9
0°-90°	8812.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8812.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28336	28336	28336	28336	28336	
5°	27418	27391	27386	27443	27419	2494
15°	15024	14843	14943	14894	14868	4023
25°	3531	3664	3982	3571	3458	1690
35°	593	605	568	563	476	402
45°	156	193	193	193	157	111
55°	25	26	47	28	26	24
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: P771105

CATALOG NUMBER: LD6D75BD010-EU6DR3070959040-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	28336.1	28336.1	28336.1	28336.1	28336.1
2.5°	28148.2	28128.8	28139.9	28153.8	28159.4
5°	27417.9	27391.4	27385.9	27442.9	27419.3
7.5°	25944.6	25907.0	25850.0	25979.4	26100.4
10°	23476.6	23434.8	23311.0	23372.2	23471.0
12.5°	19833.0	19698.1	19695.3	19890.1	19863.6
15°	15023.6	14842.8	14942.9	14894.2	14867.8
17.5°	10102.9	10033.4	10166.9	10126.6	9952.7
20°	7267.7	7285.7	7540.3	7412.3	7257.9
22.5°	5303.3	5368.7	5670.6	5340.8	5219.8
25°	3530.9	3664.4	3981.6	3571.2	3458.5
27.5°	2171.7	2232.9	2554.3	2143.8	2082.6
30°	1350.9	1320.3	1471.9	1263.2	1177.0
32.5°	886.2	847.2	895.9	804.1	734.6
35°	592.7	605.2	567.6	563.4	475.8
37.5°	370.1	425.7	375.6	400.7	306.1
40°	239.3	308.8	265.7	293.5	225.4
42.5°	196.2	237.9	218.4	232.3	200.3
45°	155.8	193.4	193.4	193.4	157.2
47.5°	86.3	129.4	165.6	132.2	91.8
50°	48.7	65.4	128.0	68.2	51.5
52.5°	33.4	37.6	87.6	39.0	34.8
55°	25.0	26.4	47.3	27.8	26.4
57.5°	19.5	20.9	25.0	20.9	19.5
60°	15.3	15.3	18.1	16.7	15.3
62.5°	11.1	11.1	12.5	11.1	11.1
65°	8.3	8.3	8.3	8.3	8.3
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)