

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: P771112

Luminaire Tested: LD6D75BD010-EU6DR3070959040-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771112
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-EU6DR3070959040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

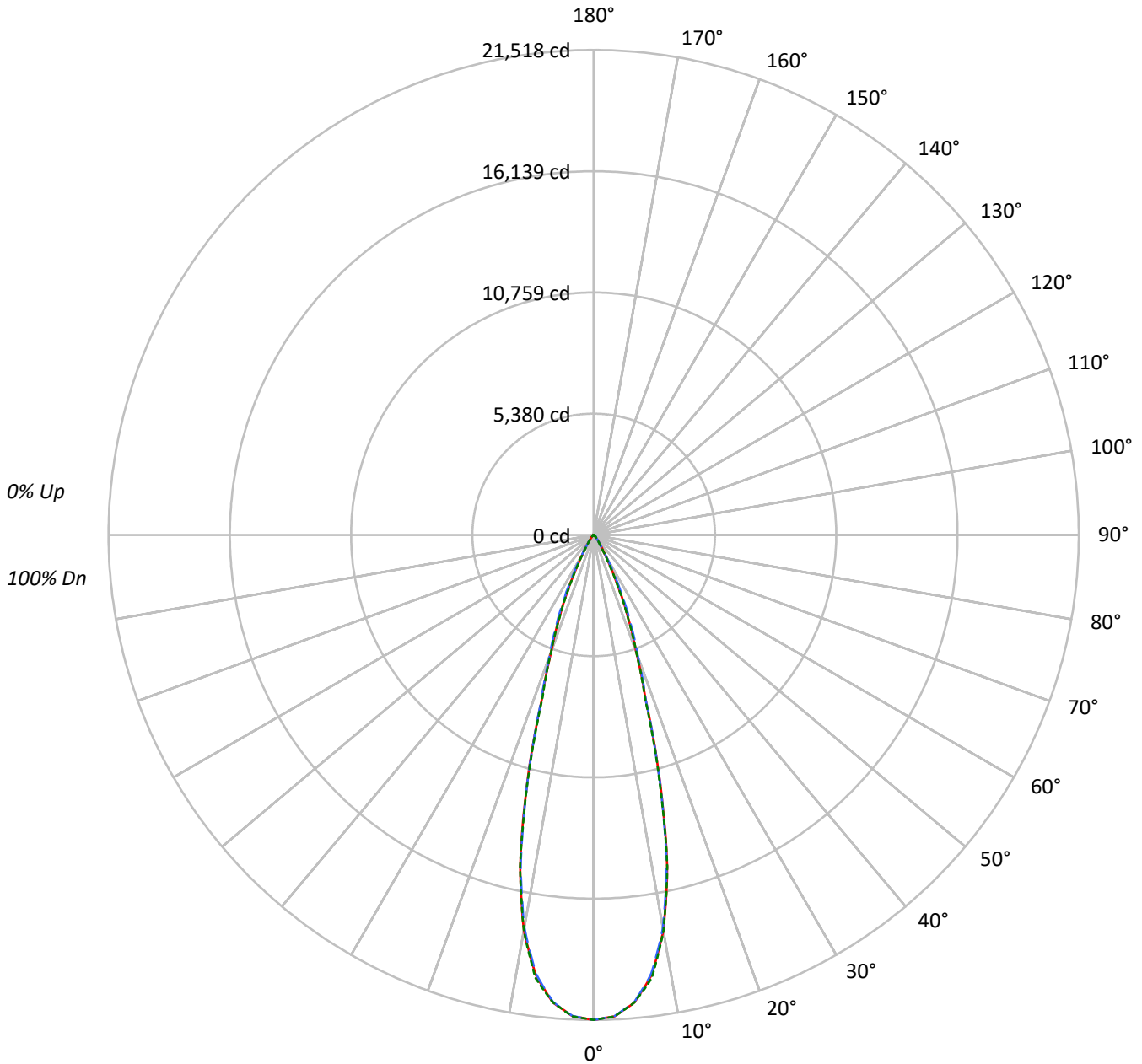
Lumens per Lamp: N/A
Luminaire Lumens: 6692.0 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): 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



TEST NUMBER: P771112
CATALOG NUMBER: LD6D75BD010-EU6DR3070959040-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P771112

CATALOG NUMBER: LD6D75BD010-EU6DR3070959040-6LBSQW1B

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°	1647053	1647053	1647053
5°	1599775	1597908	1599852
10°	1385644	1375874	1385317
15°	904066	899208	894691
20°	449546	466416	448944
25°	226453	255362	221816
30°	90665	98788	78998
35°	42058	40274	33761
40°	18156	20164	17096
45°	12806	15891	12925
50°	4406	11575	4656
55°	2536	4791	2682
60°	1776	2097	1776
65°	1141	1141	1141
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 15891 cd/sqm



TEST NUMBER: P771112

CATALOG NUMBER: LD6D75BD010-EU6DR3070959040-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1892.2	28.3
10°-20°	3047.4	45.5
20°-30°	1316.8	19.7
30°-40°	300.1	4.5
40°-50°	103.1	1.5
50°-60°	25.2	0.4
60°-70°	6.5	0.1
70°-80°	0.7	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°	6256.4	93.5
0°-40°	6556.5	98.0
0°-60°	6684.8	99.9
0°-90°	6692.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6692.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21518	21518	21518	21518	21518	
5°	20821	20801	20796	20840	20822	1894
15°	11409	11271	11347	11310	11290	3055
25°	2681	2783	3024	2712	2626	1283
35°	450	460	431	428	361	305
45°	118	147	147	147	119	84
55°	19	20	36	21	20	19
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P771112

CATALOG NUMBER: LD6D75BD010-EU6DR3070959040-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21517.9	21517.9	21517.9	21517.9	21517.9
2.5°	21375.3	21360.5	21369.0	21379.5	21383.8
5°	20820.7	20800.6	20796.4	20839.7	20821.7
7.5°	19701.9	19673.4	19630.0	19728.3	19820.2
10°	17827.7	17796.0	17702.0	17748.5	17823.5
12.5°	15060.9	14958.4	14956.3	15104.2	15084.1
15°	11408.7	11271.3	11347.4	11310.4	11290.4
17.5°	7672.0	7619.2	7720.6	7690.0	7557.9
20°	5518.9	5532.7	5726.0	5628.8	5511.5
22.5°	4027.2	4076.9	4306.1	4055.7	3963.8
25°	2681.3	2782.7	3023.6	2711.9	2626.4
27.5°	1649.1	1695.6	1939.7	1628.0	1581.5
30°	1025.8	1002.6	1117.7	959.3	893.8
32.5°	673.0	643.4	680.4	610.6	557.8
35°	450.1	459.6	431.0	427.9	361.3
37.5°	281.0	323.3	285.2	304.3	232.4
40°	181.7	234.5	201.8	222.9	171.1
42.5°	149.0	180.7	165.9	176.4	152.1
45°	118.3	146.8	146.8	146.8	119.4
47.5°	65.5	98.3	125.7	100.4	69.7
50°	37.0	49.7	97.2	51.8	39.1
52.5°	25.4	28.5	66.6	29.6	26.4
55°	19.0	20.1	35.9	21.1	20.1
57.5°	14.8	15.8	19.0	15.8	14.8
60°	11.6	11.6	13.7	12.7	11.6
62.5°	8.5	8.5	9.5	8.5	8.5
65°	6.3	6.3	6.3	6.3	6.3
67.5°	3.2	4.2	4.2	4.2	4.2
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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)