

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: P771086

Luminaire Tested: LD6D75BD010-EU6DR3070959030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771086
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-EU6DR3070959030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

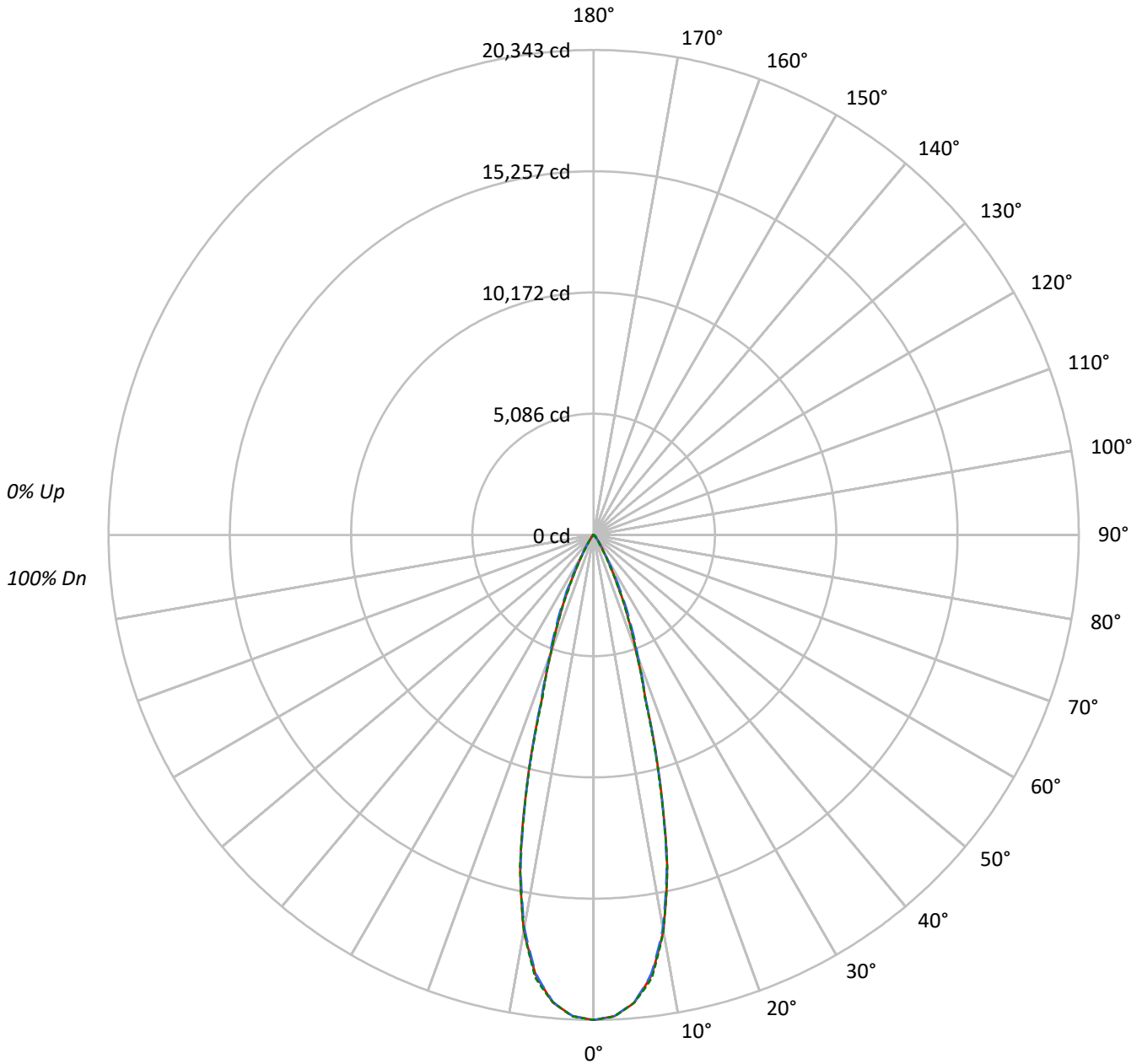
Lumens per Lamp: N/A
Luminaire Lumens: 6326.5 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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



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Luminous Intensity Polar Plot





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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°	1557092	1557092	1557092
5°	1512389	1510622	1512466
10°	1309956	1300722	1309645
15°	854681	850093	845822
20°	424996	440936	424425
25°	214080	241410	209697
30°	85715	93396	74676
35°	39760	38078	31920
40°	17166	19065	16167
45°	12113	15025	12221
50°	4168	10943	4406
55°	2402	4537	2536
60°	1684	1990	1684
65°	1087	1087	1087
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 15025 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1788.8	28.3
10°-20°	2880.9	45.5
20°-30°	1244.9	19.7
30°-40°	283.7	4.5
40°-50°	97.4	1.5
50°-60°	23.8	0.4
60°-70°	6.2	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°	5914.7	93.5
0°-40°	6198.4	98.0
0°-60°	6319.6	99.9
0°-90°	6326.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6326.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20343	20343	20343	20343	20343	
5°	19683	19664	19660	19701	19684	1790
15°	10786	10656	10728	10693	10674	2888
25°	2535	2631	2858	2564	2483	1213
35°	426	434	408	404	342	289
45°	112	139	139	139	113	79
55°	18	19	34	20	19	18
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20342.6	20342.6	20342.6	20342.6	20342.6
2.5°	20207.7	20193.8	20201.8	20211.7	20215.7
5°	19683.4	19664.4	19660.4	19701.4	19684.4
7.5°	18625.7	18598.8	18557.8	18650.7	18737.6
10°	16853.9	16824.0	16735.1	16779.0	16849.9
12.5°	14238.2	14141.3	14139.3	14279.2	14260.2
15°	10785.5	10655.7	10727.6	10692.6	10673.7
17.5°	7252.9	7203.0	7298.9	7269.9	7145.1
20°	5217.5	5230.5	5413.2	5321.4	5210.5
22.5°	3807.2	3854.2	4070.9	3834.2	3747.3
25°	2534.8	2630.7	2858.4	2563.8	2482.9
27.5°	1559.1	1603.0	1833.7	1539.1	1495.1
30°	969.8	947.8	1056.7	906.9	844.9
32.5°	636.2	608.2	643.2	577.3	527.3
35°	425.5	434.5	407.5	404.5	341.6
37.5°	265.7	305.6	269.7	287.6	219.7
40°	171.8	221.7	190.8	210.7	161.8
42.5°	140.8	170.8	156.8	166.8	143.8
45°	111.9	138.8	138.8	138.8	112.9
47.5°	61.9	92.9	118.9	94.9	65.9
50°	35.0	46.9	91.9	48.9	37.0
52.5°	24.0	27.0	62.9	28.0	25.0
55°	18.0	19.0	34.0	20.0	19.0
57.5°	14.0	15.0	18.0	15.0	14.0
60°	11.0	11.0	13.0	12.0	11.0
62.5°	8.0	8.0	9.0	8.0	8.0
65°	6.0	6.0	6.0	6.0	6.0
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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



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Scaled Data Report





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

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