

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: P771060

Luminaire Tested: LD6D75BD010-EU6DR3070959024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771060
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-EU6DR3070959024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

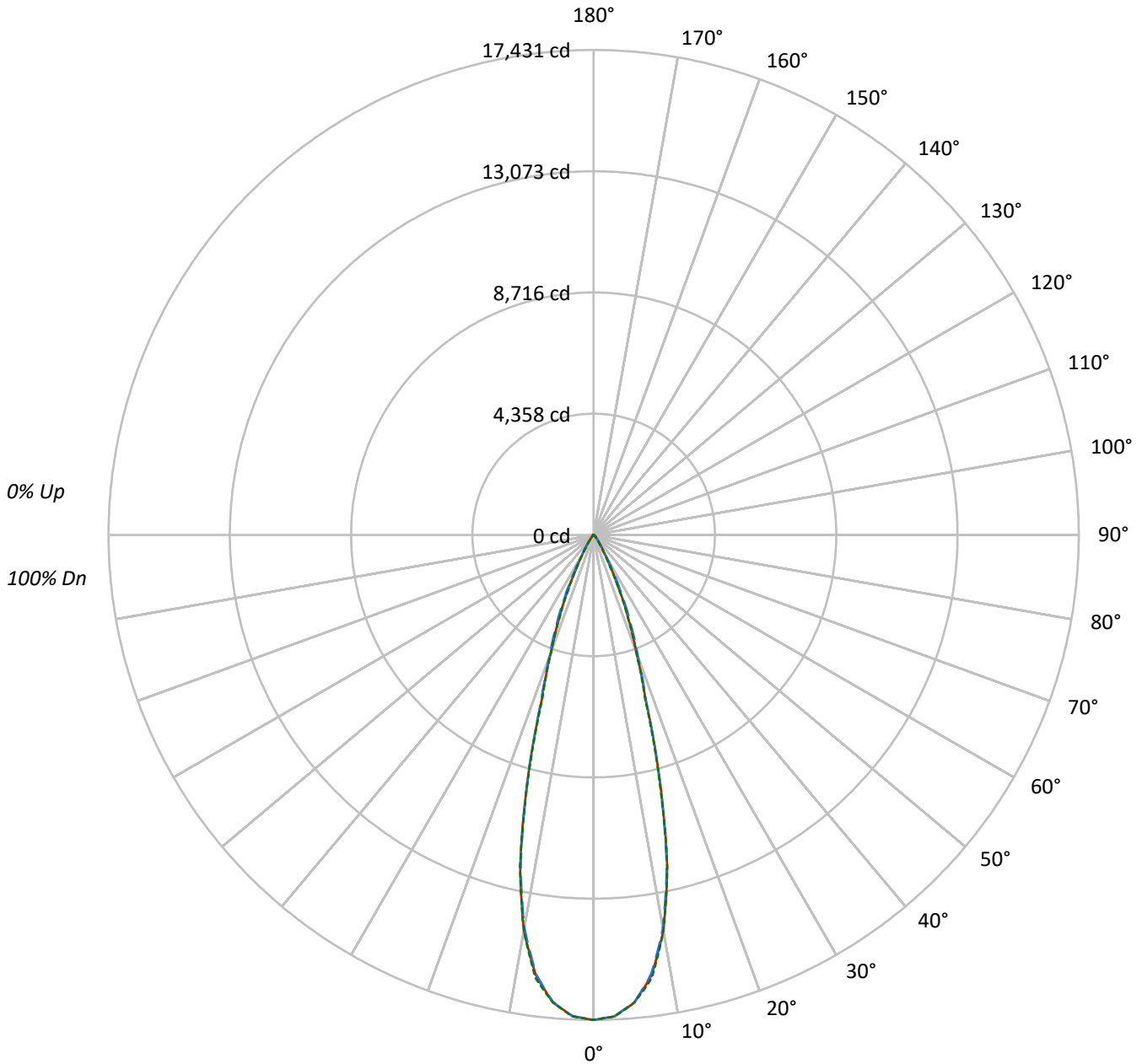
Lumens per Lamp: N/A
Luminaire Lumens: 5421.1 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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



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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°	1334251	1334251	1334251
5°	1295951	1294437	1296012
10°	1122493	1114573	1122221
15°	732369	728438	724769
20°	364173	377833	363684
25°	183448	206867	179689
30°	73448	80032	63991
35°	34069	32630	27351
40°	14708	16337	13849
45°	10381	12882	10468
50°	3572	9372	3775
55°	2055	3883	2175
60°	1439	1699	1439
65°	924	924	924
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12882 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1532.8	28.3
10°-20°	2468.6	45.5
20°-30°	1066.8	19.7
30°-40°	243.1	4.5
40°-50°	83.5	1.5
50°-60°	20.4	0.4
60°-70°	5.3	0.1
70°-80°	0.6	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°	5068.2	93.5
0°-40°	5311.3	98.0
0°-60°	5415.2	99.9
0°-90°	5421.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5421.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17431	17431	17431	17431	17431	
5°	16866	16850	16847	16882	16867	1534
15°	9242	9131	9192	9162	9146	2475
25°	2172	2254	2449	2197	2128	1040
35°	365	372	349	347	293	247
45°	96	119	119	119	97	68
55°	15	16	29	17	16	15
65°	5	5	5	5	5	5
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°	17431.3	17431.3	17431.3	17431.3	17431.3
2.5°	17315.8	17303.8	17310.7	17319.2	17322.6
5°	16866.5	16850.2	16846.8	16881.9	16867.3
7.5°	15960.2	15937.1	15902.0	15981.6	16056.0
10°	14442.0	14416.3	14340.1	14377.8	14438.5
12.5°	12200.6	12117.5	12115.8	12235.7	12219.4
15°	9242.0	9130.7	9192.4	9162.4	9146.1
17.5°	6215.0	6172.2	6254.3	6229.5	6122.5
20°	4470.8	4481.9	4638.5	4559.8	4464.8
22.5°	3262.4	3302.6	3488.3	3285.5	3211.0
25°	2172.1	2254.2	2449.4	2196.9	2127.6
27.5°	1335.9	1373.6	1571.3	1318.8	1281.2
30°	831.0	812.2	905.5	777.1	724.0
32.5°	545.2	521.2	551.1	494.7	451.9
35°	364.6	372.3	349.2	346.6	292.7
37.5°	227.6	261.9	231.1	246.5	188.3
40°	147.2	190.0	163.5	180.6	138.6
42.5°	120.7	146.3	134.4	142.9	123.2
45°	95.9	119.0	119.0	119.0	96.7
47.5°	53.1	79.6	101.8	81.3	56.5
50°	30.0	40.2	78.7	41.9	31.7
52.5°	20.5	23.1	53.9	24.0	21.4
55°	15.4	16.3	29.1	17.1	16.3
57.5°	12.0	12.8	15.4	12.8	12.0
60°	9.4	9.4	11.1	10.3	9.4
62.5°	6.8	6.8	7.7	6.8	6.8
65°	5.1	5.1	5.1	5.1	5.1
67.5°	2.6	3.4	3.4	3.4	3.4
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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