

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: P771088

Luminaire Tested: LD6D75BD010-EU6DR3070959035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771088
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-EU6DR3070959035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7687.9 lumens
Efficiency: N/A
Efficacy: 106.2 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

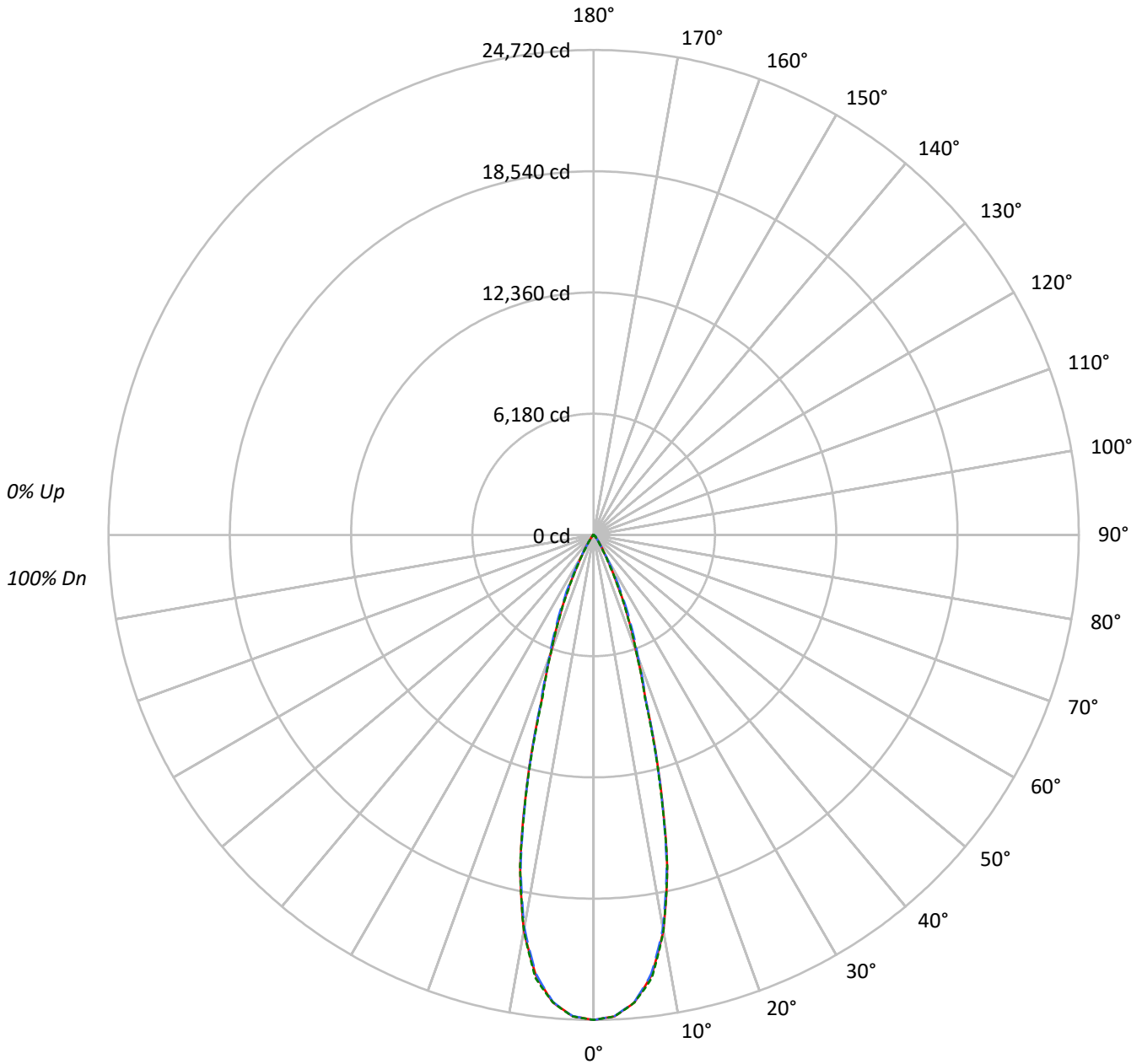
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1892183	1892183	1892183
5°	1837858	1835714	1837950
10°	1591869	1580638	1591489
15°	1038614	1033035	1027844
20°	516454	535832	515762
25°	260151	293367	254822
30°	104161	113495	90753
35°	48310	46273	38788
40°	20863	23162	19644
45°	14711	18262	14841
50°	5061	13301	5347
55°	2909	5511	3083
60°	2051	2419	2051
65°	1322	1322	1322
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18262 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2173.8	28.3
10°-20°	3500.9	45.5
20°-30°	1512.8	19.7
30°-40°	344.8	4.5
40°-50°	118.4	1.5
50°-60°	28.9	0.4
60°-70°	7.5	0.1
70°-80°	0.8	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°	7187.5	93.5
0°-40°	7532.3	98.0
0°-60°	7679.6	99.9
0°-90°	7687.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7687.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24720	24720	24720	24720	24720	
5°	23919	23896	23891	23941	23920	2176
15°	13107	12949	13036	12994	12971	3509
25°	3080	3197	3474	3116	3017	1474
35°	517	528	495	492	415	351
45°	136	169	169	169	137	96
55°	22	23	41	24	23	21
65°	7	7	7	7	7	7
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°	24720.4	24720.4	24720.4	24720.4	24720.4
2.5°	24556.5	24539.5	24549.2	24561.4	24566.2
5°	23919.3	23896.3	23891.4	23941.2	23920.5
7.5°	22634.0	22601.3	22551.5	22664.4	22770.0
10°	20481.0	20444.5	20336.5	20389.9	20476.1
12.5°	17302.3	17184.6	17182.2	17352.1	17329.0
15°	13106.6	12948.8	13036.2	12993.7	12970.7
17.5°	8813.8	8753.1	8869.6	8834.4	8682.7
20°	6340.3	6356.1	6578.2	6466.5	6331.8
22.5°	4626.6	4683.6	4947.0	4659.3	4553.8
25°	3080.3	3196.9	3473.6	3115.5	3017.2
27.5°	1894.6	1948.0	2228.3	1870.3	1816.9
30°	1178.5	1151.8	1284.1	1102.0	1026.8
32.5°	773.1	739.1	781.6	701.5	640.8
35°	517.0	528.0	495.2	491.5	415.1
37.5°	322.8	371.4	327.7	349.5	267.0
40°	208.8	269.4	231.8	256.1	196.6
42.5°	171.1	207.5	190.5	202.7	174.8
45°	135.9	168.7	168.7	168.7	137.1
47.5°	75.2	112.9	144.4	115.3	80.1
50°	42.5	57.0	111.7	59.5	44.9
52.5°	29.1	32.8	76.5	34.0	30.3
55°	21.8	23.1	41.3	24.3	23.1
57.5°	17.0	18.2	21.8	18.2	17.0
60°	13.4	13.4	15.8	14.6	13.4
62.5°	9.7	9.7	10.9	9.7	9.7
65°	7.3	7.3	7.3	7.3	7.3
67.5°	3.6	4.9	4.9	4.9	4.9
70°	3.6	2.4	2.4	2.4	3.6
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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