

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P771074

Luminaire Tested: LD6D75BD010-EU6DR3070959027-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771074
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-EU6DR3070959027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

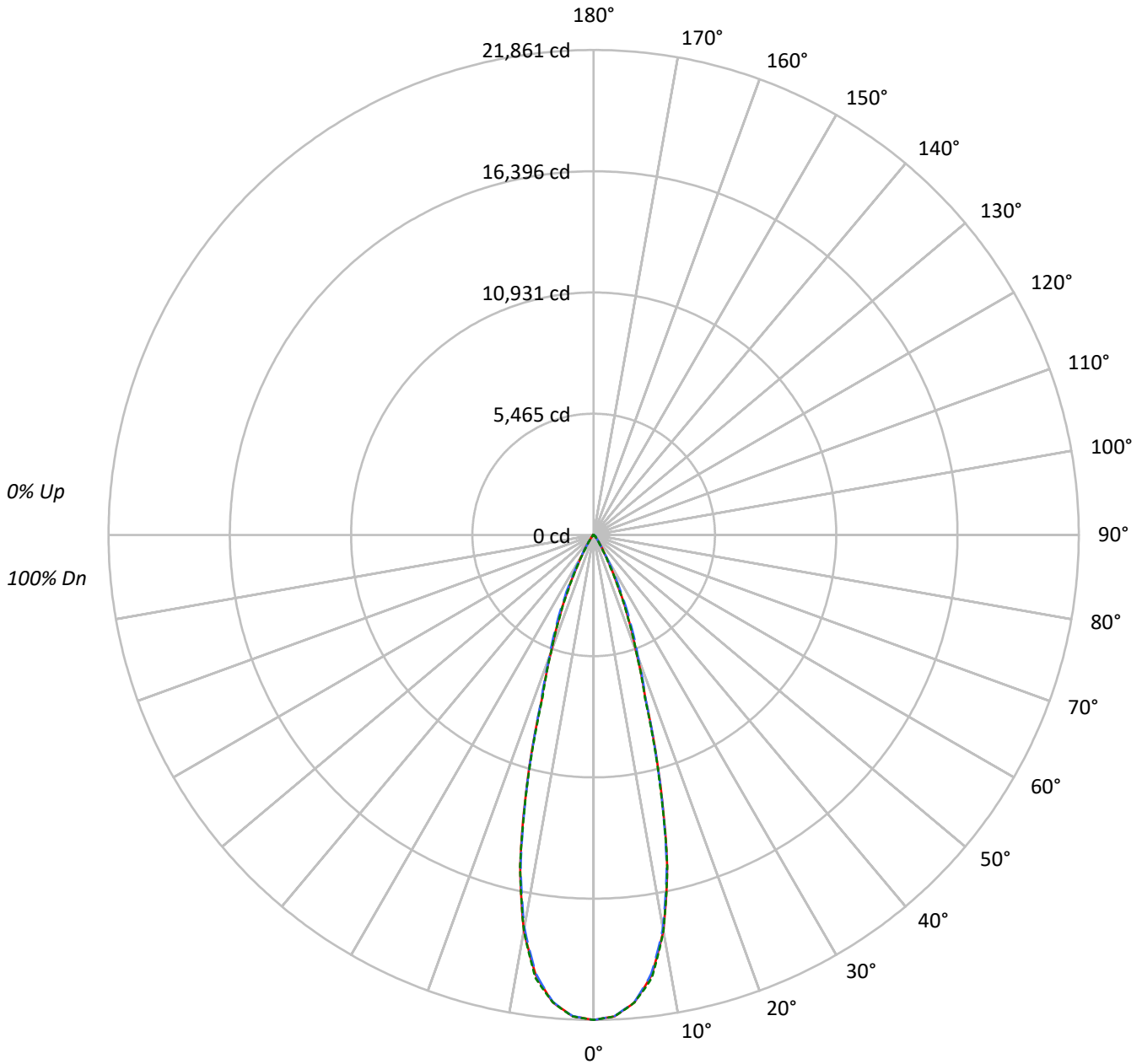
Lumens per Lamp: N/A
Luminaire Lumens: 6798.8 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (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°	1673346	1673346	1673346
5°	1625307	1623409	1625384
10°	1407764	1397831	1407430
15°	918496	913559	908971
20°	456723	473861	456112
25°	230067	259433	225355
30°	92115	100370	80253
35°	42722	40918	34303
40°	18445	20484	17376
45°	13011	16151	13131
50°	4477	11753	4727
55°	2576	4871	2722
60°	1806	2143	1806
65°	1159	1159	1159
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: 16151 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1922.4	28.3
10°-20°	3096.0	45.5
20°-30°	1337.9	19.7
30°-40°	304.9	4.5
40°-50°	104.7	1.5
50°-60°	25.6	0.4
60°-70°	6.6	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°	6356.2	93.5
0°-40°	6661.2	98.0
0°-60°	6791.4	99.9
0°-90°	6798.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6798.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21861	21861	21861	21861	21861	
5°	21153	21133	21128	21172	21154	1924
15°	11591	11451	11528	11491	11471	3104
25°	2724	2827	3072	2755	2668	1304
35°	457	467	438	435	367	310
45°	120	149	149	149	121	85
55°	19	20	36	22	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21861.4	21861.4	21861.4	21861.4	21861.4
2.5°	21716.5	21701.4	21710.0	21720.8	21725.0
5°	21153.0	21132.6	21128.3	21172.3	21154.0
7.5°	20016.3	19987.3	19943.3	20043.2	20136.5
10°	18112.3	18080.1	17984.5	18031.8	18108.0
12.5°	15301.2	15197.1	15195.0	15345.2	15324.8
15°	11590.8	11451.2	11528.5	11491.0	11470.6
17.5°	7794.4	7740.8	7843.8	7812.7	7678.5
20°	5607.0	5621.0	5817.4	5718.6	5599.5
22.5°	4091.5	4141.9	4374.8	4120.5	4027.1
25°	2724.1	2827.1	3071.8	2755.2	2668.3
27.5°	1675.5	1722.7	1970.6	1654.0	1606.8
30°	1042.2	1018.6	1135.6	974.6	908.0
32.5°	683.7	653.7	691.2	620.4	566.7
35°	457.2	466.9	437.9	434.7	367.1
37.5°	285.5	328.4	289.8	309.1	236.1
40°	184.6	238.3	205.0	226.5	173.9
42.5°	151.3	183.5	168.5	179.2	154.6
45°	120.2	149.2	149.2	149.2	121.3
47.5°	66.5	99.8	127.7	102.0	70.8
50°	37.6	50.4	98.7	52.6	39.7
52.5°	25.8	29.0	67.6	30.1	26.8
55°	19.3	20.4	36.5	21.5	20.4
57.5°	15.0	16.1	19.3	16.1	15.0
60°	11.8	11.8	14.0	12.9	11.8
62.5°	8.6	8.6	9.7	8.6	8.6
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.3	4.3	4.3	4.3
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

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Scaled Data Report





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

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