

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: P772685

Luminaire Tested: LD6D85BD010-EU6DR3070959050-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772685
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: LD6D85BD010-EU6DR3070959050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

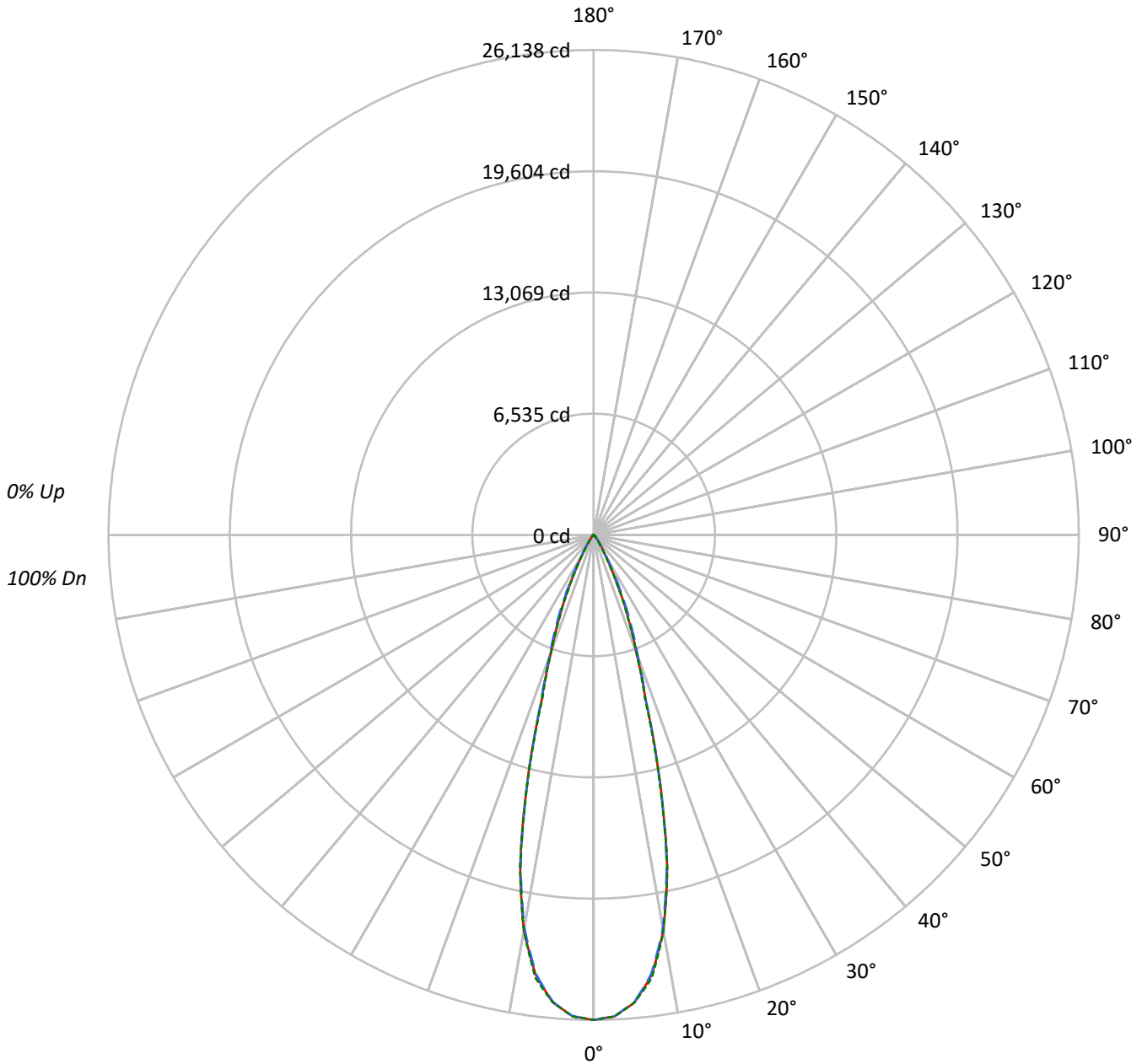
Lumens per Lamp: N/A
Luminaire Lumens: 8128.8 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
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°	2000684	2000684	2000684
5°	1943254	1940979	1943346
10°	1683149	1671280	1682752
15°	1098173	1092277	1086786
20°	546071	566558	545338
25°	275074	310191	269432
30°	110136	120000	95959
35°	51085	48926	41012
40°	22052	24490	20773
45°	15555	19312	15696
50°	5347	14063	5656
55°	3083	5818	3256
60°	2159	2557	2159
65°	1395	1395	1395
70°	850	582	850
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19312 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2298.4	28.3
10°-20°	3701.6	45.5
20°-30°	1599.6	19.7
30°-40°	364.6	4.5
40°-50°	125.2	1.5
50°-60°	30.6	0.4
60°-70°	7.9	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°	7599.7	93.5
0°-40°	7964.2	98.0
0°-60°	8120.0	99.9
0°-90°	8128.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8128.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26138	26138	26138	26138	26138	
5°	25291	25267	25261	25314	25292	2300
15°	13858	13691	13784	13739	13714	3711
25°	3257	3380	3673	3294	3190	1559
35°	547	558	524	520	439	371
45°	144	178	178	178	145	102
55°	23	24	44	26	24	22
65°	8	8	8	8	8	8
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°	26137.9	26137.9	26137.9	26137.9	26137.9
2.5°	25964.7	25946.7	25957.0	25969.8	25974.9
5°	25291.0	25266.6	25261.4	25314.1	25292.2
7.5°	23932.0	23897.3	23844.7	23964.0	24075.7
10°	21655.4	21616.9	21502.7	21559.2	21650.3
12.5°	18294.5	18170.0	18167.4	18347.1	18322.7
15°	13858.2	13691.4	13783.8	13738.8	13714.5
17.5°	9319.2	9255.0	9378.2	9341.0	9180.6
20°	6703.9	6720.6	6955.4	6837.3	6694.9
22.5°	4891.9	4952.2	5230.7	4926.5	4814.9
25°	3257.0	3380.2	3672.8	3294.2	3190.2
27.5°	2003.2	2059.7	2356.1	1977.5	1921.1
30°	1246.1	1217.8	1357.7	1165.2	1085.7
32.5°	817.5	781.5	826.4	741.7	677.6
35°	546.7	558.2	523.6	519.7	438.9
37.5°	341.4	392.7	346.5	369.6	282.3
40°	220.7	284.9	245.1	270.8	207.9
42.5°	180.9	219.4	201.5	214.3	184.8
45°	143.7	178.4	178.4	178.4	145.0
47.5°	79.6	119.3	152.7	121.9	84.7
50°	44.9	60.3	118.1	62.9	47.5
52.5°	30.8	34.6	80.8	35.9	32.1
55°	23.1	24.4	43.6	25.7	24.4
57.5°	18.0	19.2	23.1	19.2	18.0
60°	14.1	14.1	16.7	15.4	14.1
62.5°	10.3	10.3	11.5	10.3	10.3
65°	7.7	7.7	7.7	7.7	7.7
67.5°	3.8	5.1	5.1	5.1	5.1
70°	3.8	2.6	2.6	2.6	3.8
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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