

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: P772646

Luminaire Tested: LD6D85BD010-EU6DR3070959030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772646
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-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

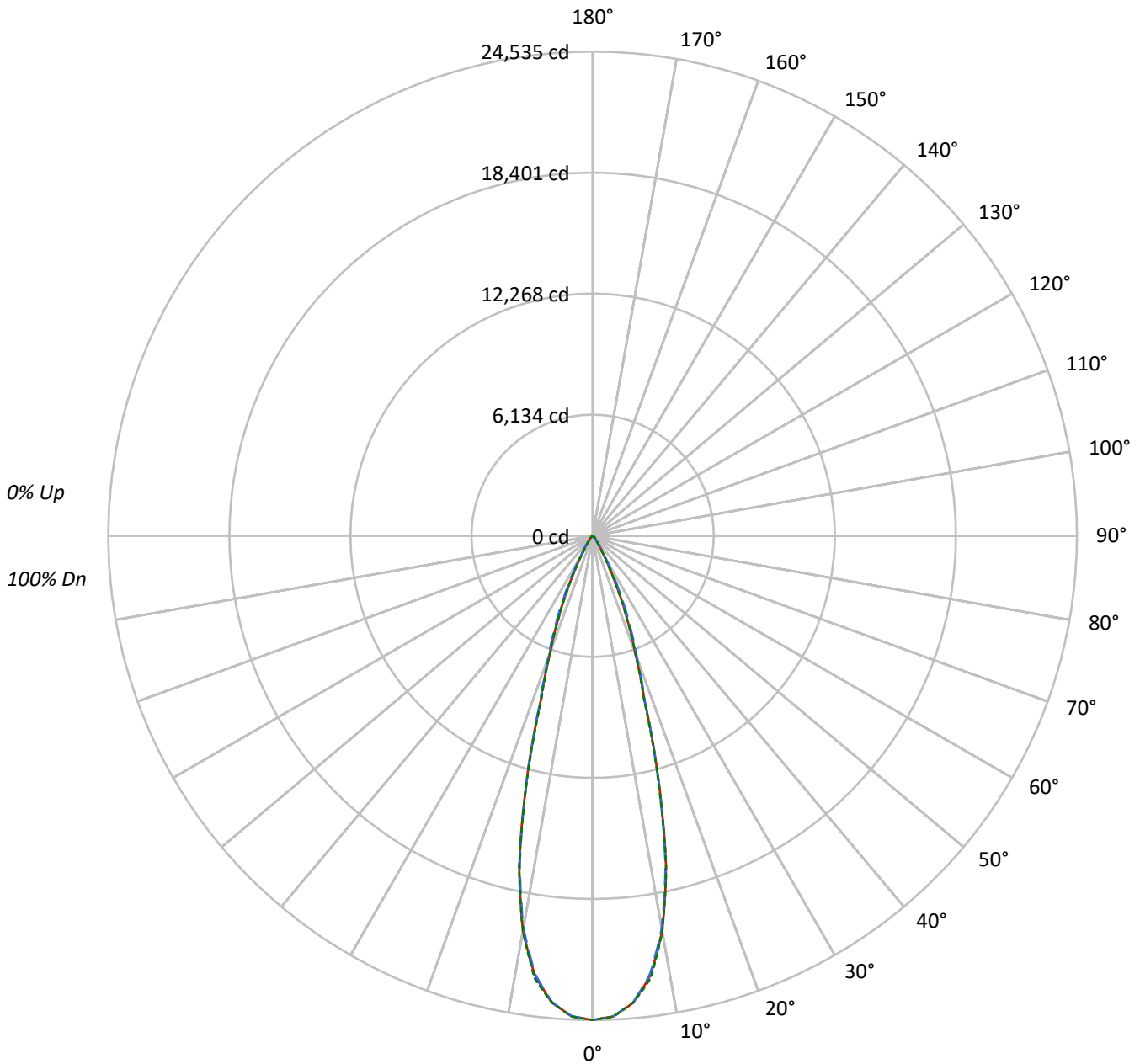
Lumens per Lamp: N/A
Luminaire Lumens: 7630.2 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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°	1877992	1877992	1877992
5°	1824074	1821945	1824174
10°	1579931	1568785	1579550
15°	1030824	1025285	1020134
20°	512577	531809	511893
25°	258200	291163	252913
30°	103384	112646	90073
35°	47955	45927	38498
40°	20703	22992	19494
45°	14603	18121	14733
50°	5025	13194	5311
55°	2896	5471	3056
60°	2036	2403	2036
65°	1304	1304	1304
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: 18121 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2157.5	28.3
10°-20°	3474.6	45.5
20°-30°	1501.5	19.7
30°-40°	342.2	4.5
40°-50°	117.5	1.5
50°-60°	28.7	0.4
60°-70°	7.4	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°	7133.6	93.5
0°-40°	7475.8	98.0
0°-60°	7622.0	99.9
0°-90°	7630.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7630.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24535	24535	24535	24535	24535	
5°	23740	23717	23712	23762	23741	2159
15°	13008	12852	12938	12896	12873	3483
25°	3057	3173	3448	3092	2995	1463
35°	513	524	492	488	412	348
45°	135	167	167	167	136	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°	24535.0	24535.0	24535.0	24535.0	24535.0
2.5°	24372.4	24355.5	24365.1	24377.2	24382.0
5°	23739.9	23717.1	23712.2	23761.6	23741.2
7.5°	22464.3	22431.8	22382.4	22494.4	22599.2
10°	20327.4	20291.2	20184.0	20237.0	20322.5
12.5°	17172.6	17055.7	17053.3	17221.9	17199.1
15°	13008.3	12851.7	12938.4	12896.3	12873.4
17.5°	8747.7	8687.5	8803.1	8768.2	8617.6
20°	6292.7	6308.4	6528.8	6418.0	6284.3
22.5°	4591.9	4648.5	4909.9	4624.4	4519.6
25°	3057.2	3172.9	3447.5	3092.2	2994.6
27.5°	1880.4	1933.4	2211.6	1856.3	1803.3
30°	1169.7	1143.2	1274.5	1093.8	1019.1
32.5°	767.3	733.6	775.8	696.2	636.0
35°	513.2	524.0	491.5	487.9	412.0
37.5°	320.4	368.6	325.2	346.9	265.0
40°	207.2	267.4	230.1	254.2	195.1
42.5°	169.8	206.0	189.1	201.2	173.5
45°	134.9	167.4	167.4	167.4	136.1
47.5°	74.7	112.0	143.3	114.4	79.5
50°	42.2	56.6	110.8	59.0	44.6
52.5°	28.9	32.5	75.9	33.7	30.1
55°	21.7	22.9	41.0	24.1	22.9
57.5°	16.9	18.1	21.7	18.1	16.9
60°	13.3	13.3	15.7	14.5	13.3
62.5°	9.6	9.6	10.8	9.6	9.6
65°	7.2	7.2	7.2	7.2	7.2
67.5°	3.6	4.8	4.8	4.8	4.8
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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