

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: P774234

Luminaire Tested: LD6D95BD010-EU6DR3070959050-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774234
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: LD6D95BD010-EU6DR3070959050-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

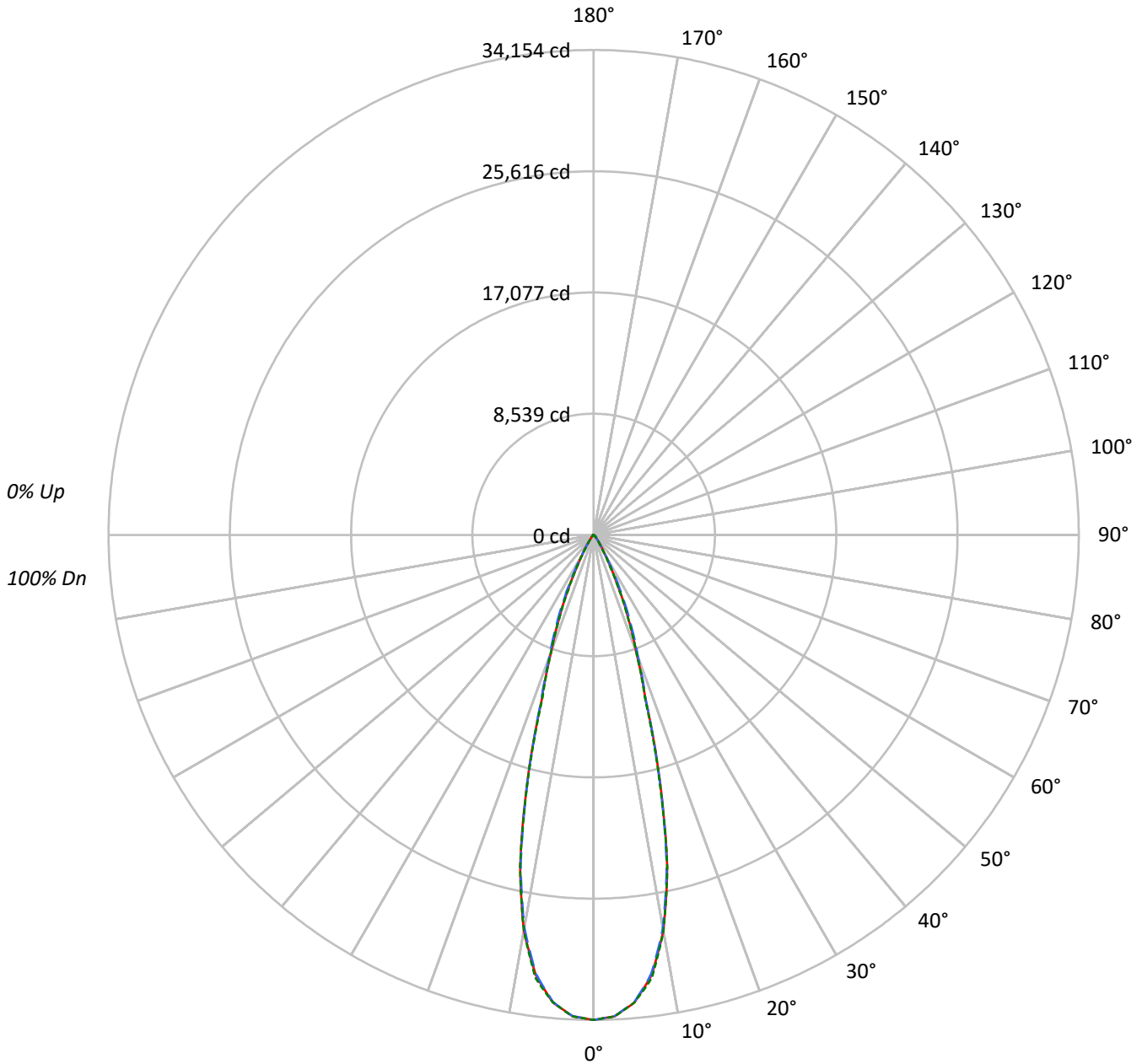
Lumens per Lamp: N/A
Luminaire Lumens: 10621.7 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2614240	2614240	2614240
5°	2539192	2536234	2539323
10°	2199331	2183817	2198802
15°	1434950	1427248	1420068
20°	713536	740303	712575
25°	359429	405314	352065
30°	143908	156803	125383
35°	66746	63924	53589
40°	28817	32004	27138
45°	20329	25233	20513
50°	6990	18374	7383
55°	4030	7607	4257
60°	2817	3337	2817
65°	1829	1829	1829
70°	1119	761	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 25233 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3003.3	28.3
10°-20°	4836.9	45.5
20°-30°	2090.1	19.7
30°-40°	476.4	4.5
40°-50°	163.6	1.5
50°-60°	40.0	0.4
60°-70°	10.4	0.1
70°-80°	1.1	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°	9930.3	93.5
0°-40°	10406.7	98.0
0°-60°	10610.2	99.9
0°-90°	10621.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10621.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	34154	34154	34154	34154	34154	
5°	33047	33015	33008	33077	33049	3006
15°	18108	17890	18011	17952	17920	4849
25°	4256	4417	4799	4304	4169	2037
35°	714	729	684	679	574	485
45°	188	233	233	233	190	133
55°	30	32	57	34	32	29
65°	10	10	10	10	10	10
75°	0	0	2	0	0	2
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°	34153.7	34153.7	34153.7	34153.7	34153.7
2.5°	33927.4	33903.9	33917.3	33934.1	33940.8
5°	33047.0	33015.2	33008.5	33077.2	33048.7
7.5°	31271.3	31226.0	31157.2	31313.2	31459.1
10°	28296.6	28246.2	28097.0	28170.8	28289.8
12.5°	23904.9	23742.3	23738.9	23973.7	23941.8
15°	18108.1	17890.1	18010.9	17952.2	17920.3
17.5°	12177.2	12093.3	12254.3	12205.7	11996.1
20°	8759.8	8781.6	9088.4	8934.2	8748.0
22.5°	6392.1	6470.9	6834.8	6437.4	6291.5
25°	4255.8	4416.8	4799.1	4304.4	4168.6
27.5°	2617.5	2691.3	3078.7	2584.0	2510.2
30°	1628.2	1591.3	1774.1	1522.6	1418.6
32.5°	1068.1	1021.2	1079.9	969.2	885.4
35°	714.3	729.4	684.1	679.1	573.5
37.5°	446.0	513.1	452.7	482.9	368.9
40°	288.4	372.3	320.3	353.8	271.6
42.5°	236.4	286.7	263.3	280.0	241.5
45°	187.8	233.1	233.1	233.1	189.5
47.5°	104.0	155.9	199.5	159.3	110.7
50°	58.7	78.8	154.3	82.2	62.0
52.5°	40.2	45.3	105.6	47.0	41.9
55°	30.2	31.9	57.0	33.5	31.9
57.5°	23.5	25.2	30.2	25.2	23.5
60°	18.4	18.4	21.8	20.1	18.4
62.5°	13.4	13.4	15.1	13.4	13.4
65°	10.1	10.1	10.1	10.1	10.1
67.5°	5.0	6.7	6.7	6.7	6.7
70°	5.0	3.4	3.4	3.4	5.0
72.5°	3.4	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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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