

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: P763871

Luminaire Tested: LD6D30D010-EU6DR1515309050-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D30D010-EU6DR1515309050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2982.5 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 29
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



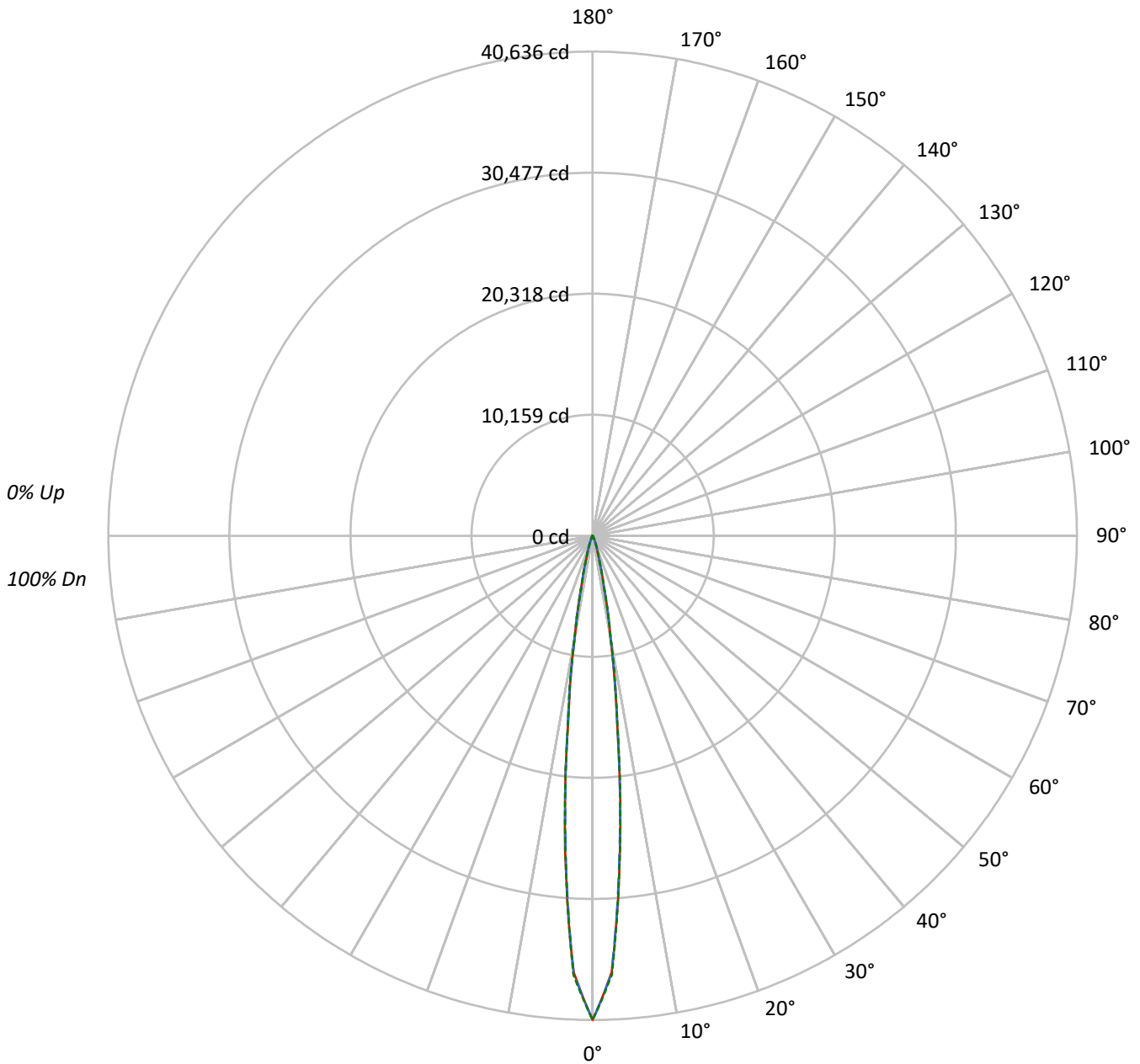
Downlight



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4572417	4572417	4572417
5°	2686967	2652179	2673155
10°	801932	807549	819912
15°	199475	203358	197078
20°	59682	69116	60950
25°	21041	26806	21306
30°	7728	10176	7855
35°	3871	4372	3747
40°	2443	2684	2443
45°	1806	1925	1806
50°	1432	1432	1432
55°	1197	1197	1197
60°	969	969	969
65°	735	735	735
70°	629	629	629
75°	393	393	522
80°	268	268	268
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1925 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1934.4	64.9
10°-20°	795.7	26.7
20°-30°	158.0	5.3
30°-40°	39.4	1.3
40°-50°	20.7	0.7
50°-60°	15.4	0.5
60°-70°	10.8	0.4
70°-80°	6.2	0.2
80°-90°	1.8	0.1
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°	2888.1	96.8
0°-40°	2927.5	98.2
0°-60°	2963.6	99.4
0°-90°	2982.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2982.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	40636	40636	40636	40636	40636	
5°	26439	26167	26097	26277	26303	1931
15°	2297	2340	2341	2300	2269	787
25°	270	306	344	304	274	142
35°	53	57	60	57	52	36
45°	26	26	28	26	26	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	40636.5	40636.5	40636.5	40636.5	40636.5
2.5°	36655.7	36686.7	36698.7	36734.9	36869.0
5°	26439.0	26167.2	26096.7	26277.3	26303.1
7.5°	15661.4	15716.5	15917.8	15962.5	15800.8
10°	8594.5	8665.1	8654.7	8716.7	8787.2
12.5°	4395.3	4340.3	4323.1	4393.6	4295.5
15°	2296.6	2339.6	2341.3	2300.0	2269.0
17.5°	1235.2	1285.0	1367.6	1300.5	1197.3
20°	729.4	774.1	844.7	789.6	744.9
22.5°	450.7	486.8	536.7	493.7	457.6
25°	270.1	306.2	344.1	304.5	273.5
27.5°	160.0	191.0	215.0	189.2	158.3
30°	103.2	120.4	135.9	118.7	104.9
32.5°	72.3	79.1	86.0	79.1	72.3
35°	53.3	56.8	60.2	56.8	51.6
37.5°	41.3	44.7	46.4	43.0	39.6
40°	34.4	36.1	37.8	36.1	34.4
42.5°	29.2	31.0	31.0	31.0	29.2
45°	25.8	25.8	27.5	25.8	25.8
47.5°	22.4	22.4	24.1	22.4	22.4
50°	20.6	20.6	20.6	20.6	20.6
52.5°	18.9	18.9	18.9	18.9	18.9
55°	17.2	17.2	17.2	17.2	17.2
57.5°	15.5	15.5	15.5	15.5	15.5
60°	13.8	13.8	13.8	13.8	13.8
62.5°	12.0	12.0	12.0	12.0	12.0
65°	10.3	10.3	10.3	10.3	10.3
67.5°	10.3	10.3	10.3	10.3	10.3
70°	8.6	8.6	8.6	8.6	8.6
72.5°	6.9	6.9	6.9	6.9	6.9
75°	5.2	5.2	5.2	5.2	6.9
77.5°	5.2	5.2	5.2	5.2	5.2
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
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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