

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: P763817

Luminaire Tested: LD6D30D010-EU6DR1515309027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763817
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-EU6DR1515309027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3445.4 lumens
Efficiency: N/A
Efficacy: 118.8 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



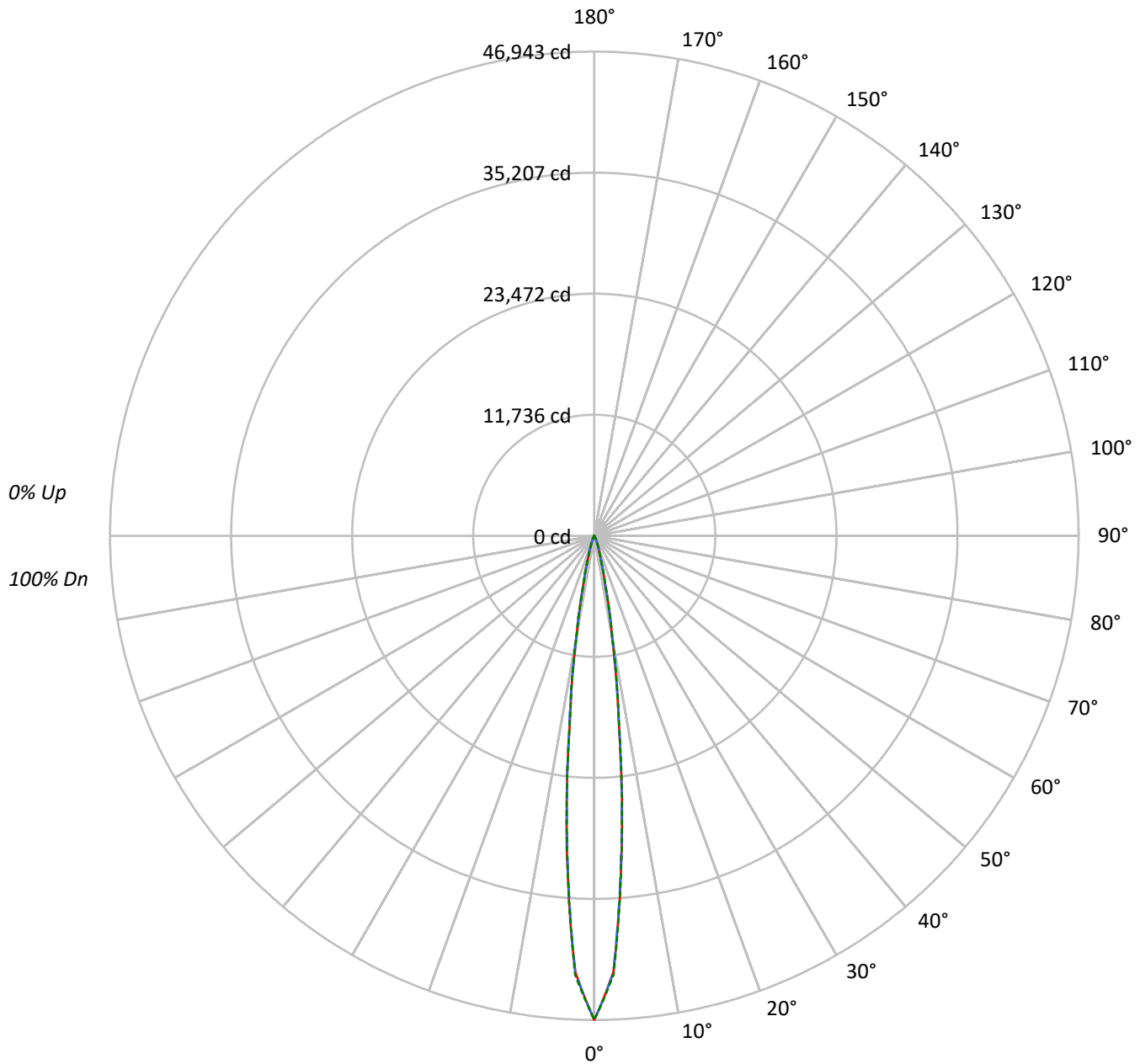
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	116	114	112	111	113	112	110	109		108	107	106		104	103	103		101	100	100
2	113	110	107	105	111	108	106	104		105	103	102		102	101	100		100	98	98
3	110	106	103	101	108	105	102	100		103	100	99		100	99	97		98	97	96
4	108	103	100	98	106	102	99	97		100	98	96		99	97	95		97	95	94
5	106	101	98	95	104	100	97	95		98	96	94		97	95	93		96	94	92
6	104	99	95	93	102	98	95	93		97	94	92		96	93	92		95	93	91
7	102	97	94	91	101	96	93	91		95	93	91		94	92	90		93	91	90
8	100	95	92	90	99	95	92	90		94	91	89		93	91	89		92	90	89
9	99	93	90	88	98	93	90	88		92	90	88		92	89	88		91	89	88
10	97	92	89	87	96	92	89	87		91	89	87		91	88	87		90	88	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5281979	5281979	5281979
5°	3103940	3063746	3087984
10°	926386	932871	947147
15°	230431	234913	227669
20°	68944	79835	70409
25°	24305	30958	24617
30°	8926	11756	9076
35°	4473	5054	4328
40°	2819	3103	2819
45°	2086	2226	2086
50°	1655	1655	1655
55°	1385	1385	1385
60°	1116	1116	1116
65°	849	849	849
70°	724	724	724
75°	454	454	597
80°	315	315	315
85°	166	166	166

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2226 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2234.6	64.9
10°-20°	919.1	26.7
20°-30°	182.6	5.3
30°-40°	45.6	1.3
40°-50°	23.9	0.7
50°-60°	17.8	0.5
60°-70°	12.5	0.4
70°-80°	7.1	0.2
80°-90°	2.2	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°	3336.3	96.8
0°-40°	3381.8	98.2
0°-60°	3423.5	99.4
0°-90°	3445.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3445.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	46943	46943	46943	46943	46943	
5°	30542	30228	30146	30355	30385	2230
15°	2653	2703	2705	2657	2621	910
25°	312	354	397	352	316	164
35°	62	66	70	66	60	42
45°	30	30	32	30	30	23
55°	20	20	20	20	20	18
65°	12	12	12	12	12	13
75°	6	6	6	6	8	7
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°	46942.6	46942.6	46942.6	46942.6	46942.6
2.5°	42344.1	42379.9	42393.8	42435.5	42590.5
5°	30541.9	30227.9	30146.4	30355.1	30384.9
7.5°	18091.8	18155.4	18387.9	18439.6	18252.8
10°	9928.3	10009.7	9997.8	10069.3	10150.8
12.5°	5077.4	5013.8	4993.9	5075.4	4962.1
15°	2653.0	2702.6	2704.6	2656.9	2621.2
17.5°	1426.8	1484.5	1579.9	1502.4	1383.1
20°	842.6	894.3	975.7	912.1	860.5
22.5°	520.7	562.4	620.0	570.3	528.6
25°	312.0	353.7	397.4	351.7	316.0
27.5°	184.8	220.6	248.4	218.6	182.8
30°	119.2	139.1	157.0	137.1	121.2
32.5°	83.5	91.4	99.4	91.4	83.5
35°	61.6	65.6	69.6	65.6	59.6
37.5°	47.7	51.7	53.7	49.7	45.7
40°	39.7	41.7	43.7	41.7	39.7
42.5°	33.8	35.8	35.8	35.8	33.8
45°	29.8	29.8	31.8	29.8	29.8
47.5°	25.8	25.8	27.8	25.8	25.8
50°	23.8	23.8	23.8	23.8	23.8
52.5°	21.9	21.9	21.9	21.9	21.9
55°	19.9	19.9	19.9	19.9	19.9
57.5°	17.9	17.9	17.9	17.9	17.9
60°	15.9	15.9	15.9	15.9	15.9
62.5°	13.9	13.9	13.9	13.9	13.9
65°	11.9	11.9	11.9	11.9	11.9
67.5°	11.9	11.9	11.9	11.9	11.9
70°	9.9	9.9	9.9	9.9	9.9
72.5°	7.9	7.9	7.9	7.9	7.9
75°	6.0	6.0	6.0	6.0	7.9
77.5°	6.0	6.0	6.0	6.0	6.0
80°	4.0	4.0	4.0	4.0	4.0
82.5°	4.0	4.0	4.0	4.0	4.0
85°	2.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)