

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: P763854

Luminaire Tested: LD6D30D010-EU6DR1515309040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763854
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-EU6DR1515309040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3449.8 lumens
Efficiency: N/A
Efficacy: 119.0 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 (A_{in}): 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



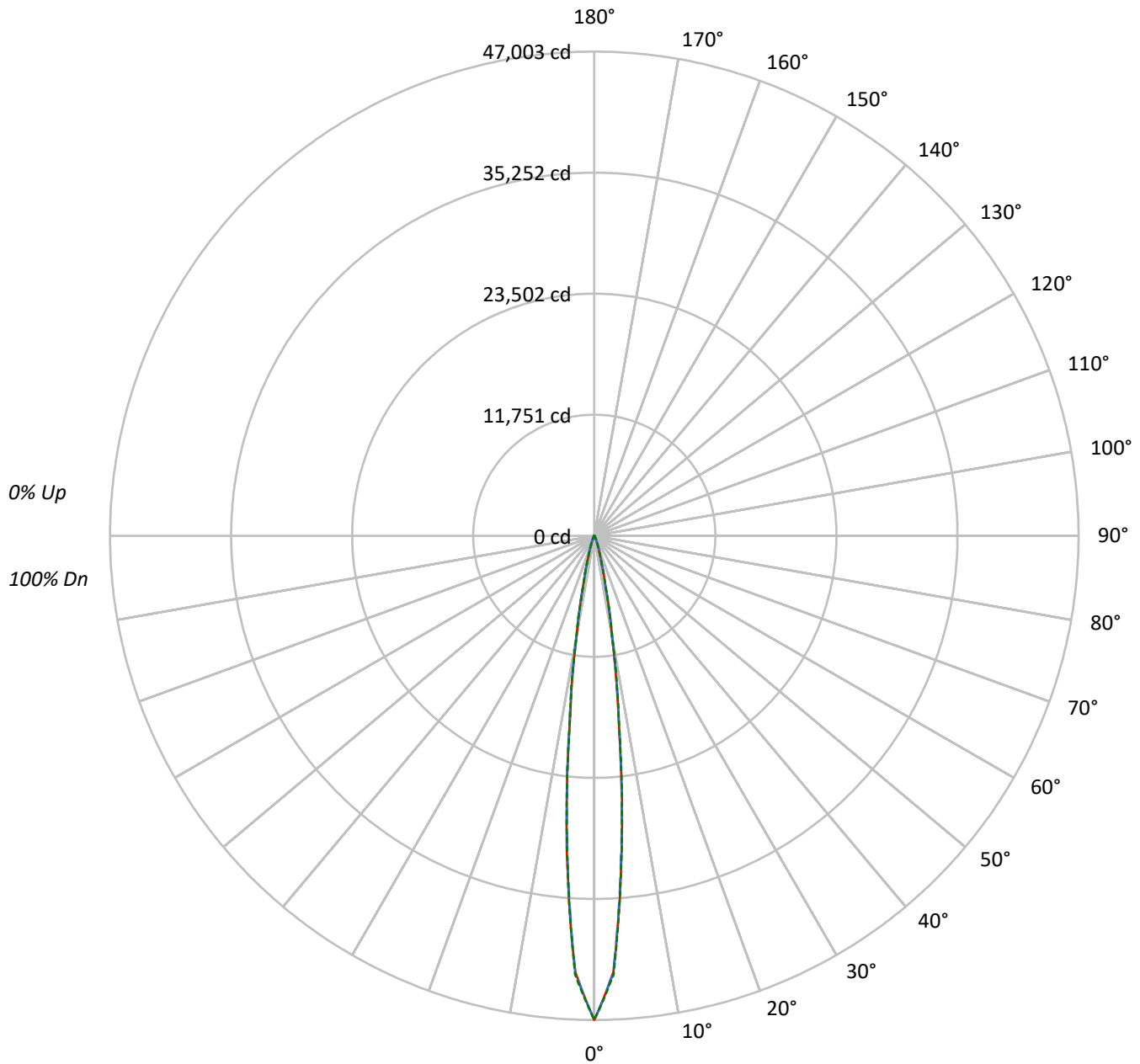
Downlight



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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°	5288775	5288775	5288775
5°	3107934	3067689	3091958
10°	927571	934074	948369
15°	230727	235217	227956
20°	69034	79941	70499
25°	24336	31004	24648
30°	8941	11771	9091
35°	4481	5054	4335
40°	2826	3110	2826
45°	2086	2226	2086
50°	1662	1662	1662
55°	1385	1385	1385
60°	1116	1116	1116
65°	849	849	849
70°	724	724	724
75°	454	454	605
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°	2237.4	64.9
10°-20°	920.3	26.7
20°-30°	182.8	5.3
30°-40°	45.6	1.3
40°-50°	24.0	0.7
50°-60°	17.8	0.5
60°-70°	12.5	0.4
70°-80°	7.2	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°	3340.6	96.8
0°-40°	3386.2	98.2
0°-60°	3427.9	99.4
0°-90°	3449.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3449.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	47003	47003	47003	47003	47003	
5°	30581	30267	30185	30394	30424	2233
15°	2656	2706	2708	2660	2624	911
25°	312	354	398	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°	47003.0	47003.0	47003.0	47003.0	47003.0
2.5°	42398.6	42434.4	42448.3	42490.1	42645.3
5°	30581.2	30266.8	30185.2	30394.1	30424.0
7.5°	18115.1	18178.8	18411.6	18463.3	18276.3
10°	9941.0	10022.6	10010.7	10082.3	10163.9
12.5°	5083.9	5020.3	5000.4	5081.9	4968.5
15°	2656.4	2706.1	2708.1	2660.4	2624.5
17.5°	1428.7	1486.4	1581.9	1504.3	1384.9
20°	843.7	895.4	977.0	913.3	861.6
22.5°	521.3	563.1	620.8	571.1	529.3
25°	312.4	354.2	398.0	352.2	316.4
27.5°	185.1	220.9	248.7	218.9	183.1
30°	119.4	139.3	157.2	137.3	121.4
32.5°	83.6	91.5	99.5	91.5	83.6
35°	61.7	65.7	69.6	65.7	59.7
37.5°	47.8	51.7	53.7	49.7	45.8
40°	39.8	41.8	43.8	41.8	39.8
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°	25.9	25.9	27.9	25.9	25.9
50°	23.9	23.9	23.9	23.9	23.9
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°	8.0	8.0	8.0	8.0	8.0
75°	6.0	6.0	6.0	6.0	8.0
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



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)