

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: P763918

Luminaire Tested: LD6D30D010-EU6DR2015309035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D30D010-EU6DR2015309035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3285.8 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
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



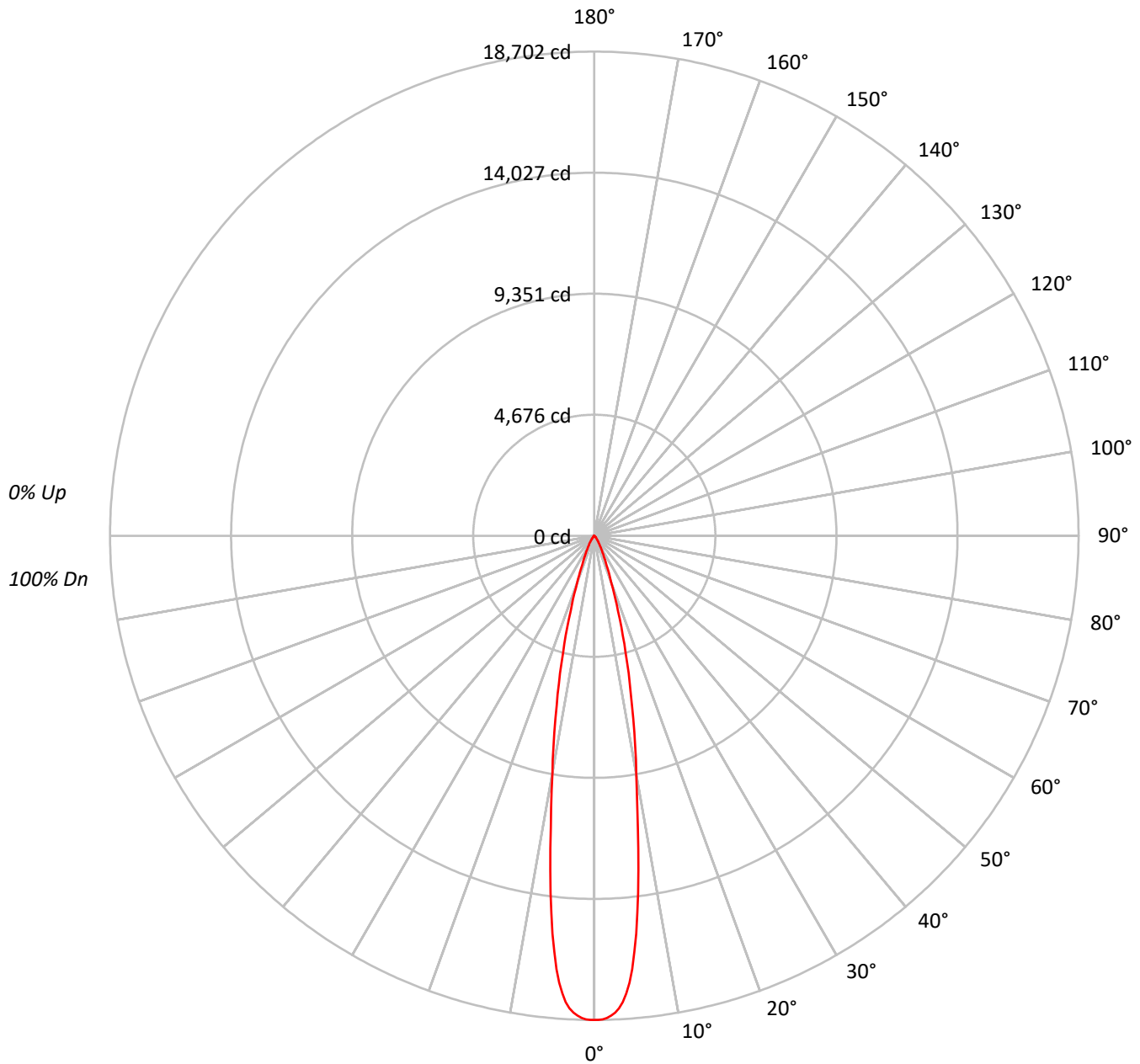
Downlight



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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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	86	91	87	85		90	87	84		88
7	96	90	86	83	95	89	86	83	88	85	82		87	84	82		86
8	94	87	83	81	93	87	83	80	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2043384
5°	1843514
10°	1034685
15°	525951
20°	222686
25°	102798
30°	54414
35°	29318
40°	15675
45°	9271
50°	5371
55°	2857
60°	1814
65°	1293
70°	543
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9271 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1331.5	40.5
10°-20°	1311.2	39.9
20°-30°	428.3	13.0
30°-40°	145.8	4.4
40°-50°	49.0	1.5
50°-60°	14.8	0.4
60°-70°	4.9	0.1
70°-80°	0.2	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°	3071.0	93.5
0°-40°	3216.9	97.9
0°-60°	3280.7	99.8
0°-90°	3285.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3285.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18702	
5°	16808	###
15°	4650	1311
25°	853	428
35°	220	146
45°	60	49
55°	15	15
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18701.9
0.5°	18701.9
1°	18678.6
1.5°	18632.0
2°	18547.1
2.5°	18433.8
3°	18273.9
3.5°	18050.8
4°	17719.4
4.5°	17316.4
5°	16808.4
5.5°	16140.6
6°	15456.2
6.5°	14671.8
7°	13904.0
7.5°	13004.8
8°	12202.1
8.5°	11394.4
9°	10648.3
9.5°	9963.8
10°	9326.0
12.5°	6696.4
15°	4649.7
17.5°	3037.6
20°	1915.2
22.5°	1240.7
25°	852.7
27.5°	599.5
30°	431.3
32.5°	309.8
35°	219.8
37.5°	153.2
40°	109.9
42.5°	79.9
45°	60.0
47.5°	46.6
50°	31.6
52.5°	20.0
55°	15.0
57.5°	11.7
60°	8.3
62.5°	6.7
65°	5.0



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CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







67.5°	3.3
70°	1.7



(END OF REPORT)