

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: P763891

Luminaire Tested: LD6D30D010-EU6DR2015309027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763891
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-EU6DR2015309027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3434.3 lumens
Efficiency: N/A
Efficacy: 118.4 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 (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



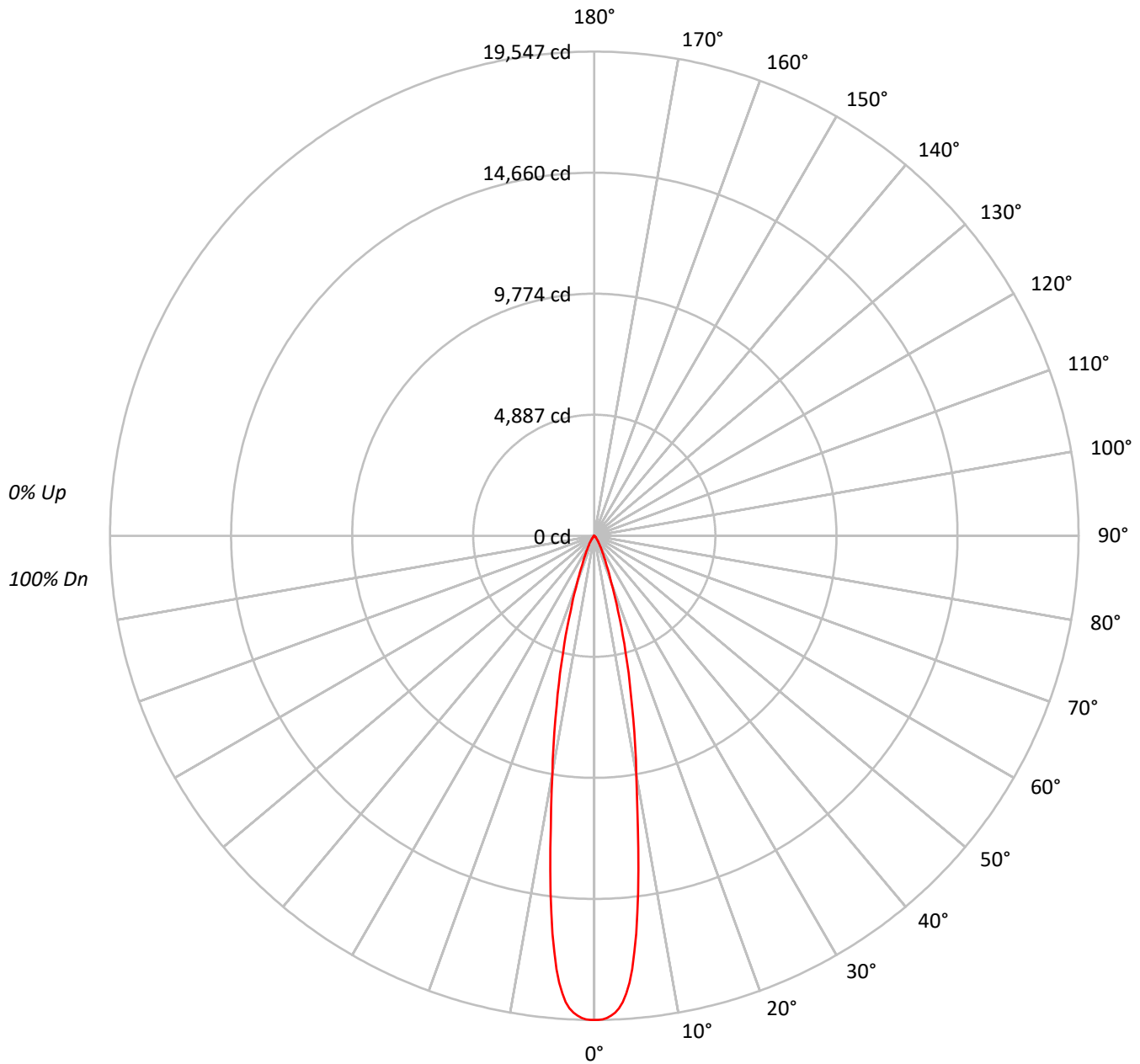
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2135720
5°	1926814
10°	1081438
15°	549717
20°	232743
25°	107439
30°	56874
35°	30651
40°	16388
45°	9688
50°	5626
55°	2991
60°	1901
65°	1344
70°	543
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9688 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1391.7	40.5
10°-20°	1370.4	39.9
20°-30°	447.7	13.0
30°-40°	152.4	4.4
40°-50°	51.2	1.5
50°-60°	15.4	0.4
60°-70°	5.1	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°	3209.8	93.5
0°-40°	3362.2	97.9
0°-60°	3428.9	99.8
0°-90°	3434.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3434.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19547	
5°	17568	###
15°	4860	1370
25°	891	448
35°	230	152
45°	63	51
55°	16	15
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19547.0
0.5°	19547.0
1°	19522.6
1.5°	19473.9
2°	19385.1
2.5°	19266.8
3°	19099.7
3.5°	18866.4
4°	18520.0
4.5°	18098.8
5°	17567.9
5.5°	16869.9
6°	16154.6
6.5°	15334.7
7°	14532.3
7.5°	13592.4
8°	12753.4
8.5°	11909.2
9°	11129.4
9.5°	10414.0
10°	9747.4
12.5°	6999.0
15°	4859.8
17.5°	3174.9
20°	2001.7
22.5°	1296.8
25°	891.2
27.5°	626.6
30°	450.8
32.5°	323.8
35°	229.8
37.5°	160.1
40°	114.9
42.5°	83.5
45°	62.7
47.5°	48.7
50°	33.1
52.5°	20.9
55°	15.7
57.5°	12.2
60°	8.7
62.5°	7.0
65°	5.2



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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°	3.5
70°	1.7



(END OF REPORT)