

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: P762032

Luminaire Tested: LD6D20D010-EU6DR2015309030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762032
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: LD6D20D010-EU6DR2015309030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2133.8 lumens
Efficiency: N/A
Efficacy: 92.4 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): 23.1
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



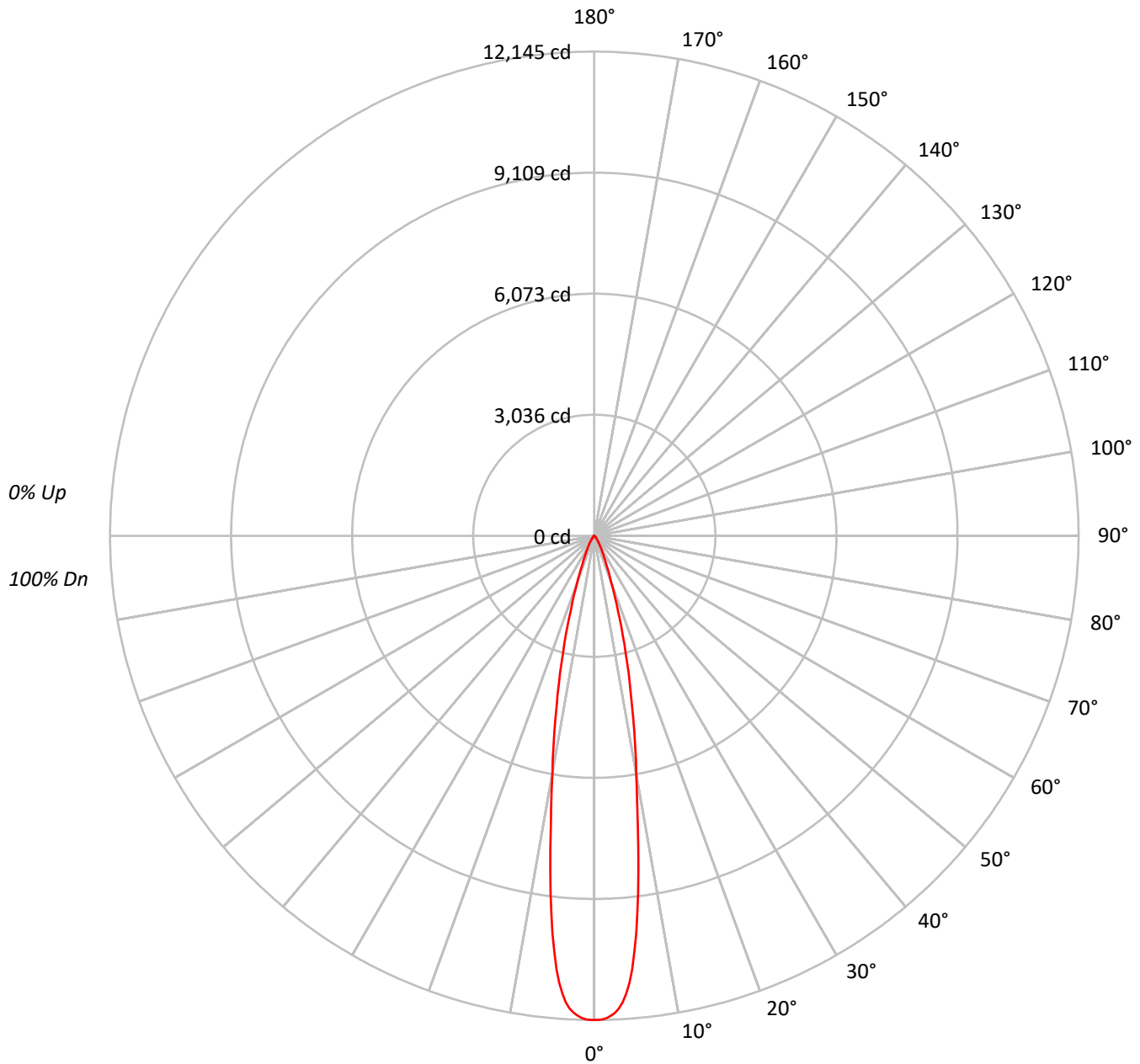
Downlight



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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
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°	1326961
5°	1197170
10°	671913
15°	341551
20°	144609
25°	66752
30°	35338
35°	19047
40°	10184
45°	6011
50°	3485
55°	1848
60°	1180
65°	827
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6011 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	864.7	40.5
10°-20°	851.5	39.9
20°-30°	278.2	13.0
30°-40°	94.7	4.4
40°-50°	31.8	1.5
50°-60°	9.6	0.4
60°-70°	3.2	0.1
70°-80°	0.1	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°	1994.3	93.5
0°-40°	2089.0	97.9
0°-60°	2130.4	99.8
0°-90°	2133.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2133.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12145	
5°	10915	865
15°	3020	851
25°	554	278
35°	143	95
45°	39	32
55°	10	10
65°	3	3
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12144.9
0.5°	12144.9
1°	12129.7
1.5°	12099.5
2°	12044.3
2.5°	11970.8
3°	11866.9
3.5°	11722.0
4°	11506.8
4.5°	11245.1
5°	10915.3
5.5°	10481.6
6°	10037.1
6.5°	9527.7
7°	9029.2
7.5°	8445.2
8°	7923.9
8.5°	7399.4
9°	6914.9
9.5°	6470.4
10°	6056.2
12.5°	4348.6
15°	3019.5
17.5°	1972.6
20°	1243.7
22.5°	805.7
25°	553.7
27.5°	389.3
30°	280.1
32.5°	201.2
35°	142.8
37.5°	99.5
40°	71.4
42.5°	51.9
45°	38.9
47.5°	30.3
50°	20.5
52.5°	13.0
55°	9.7
57.5°	7.6
60°	5.4
62.5°	4.3
65°	3.2



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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°	2.2
70°	1.1



(END OF REPORT)