

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: P761031

Luminaire Tested: LD6D15D010-EU6DR2015309027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761031
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: LD6D15D010-EU6DR2015309027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1228.6 lumens
Efficiency: N/A
Efficacy: 77.8 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): 15.8
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



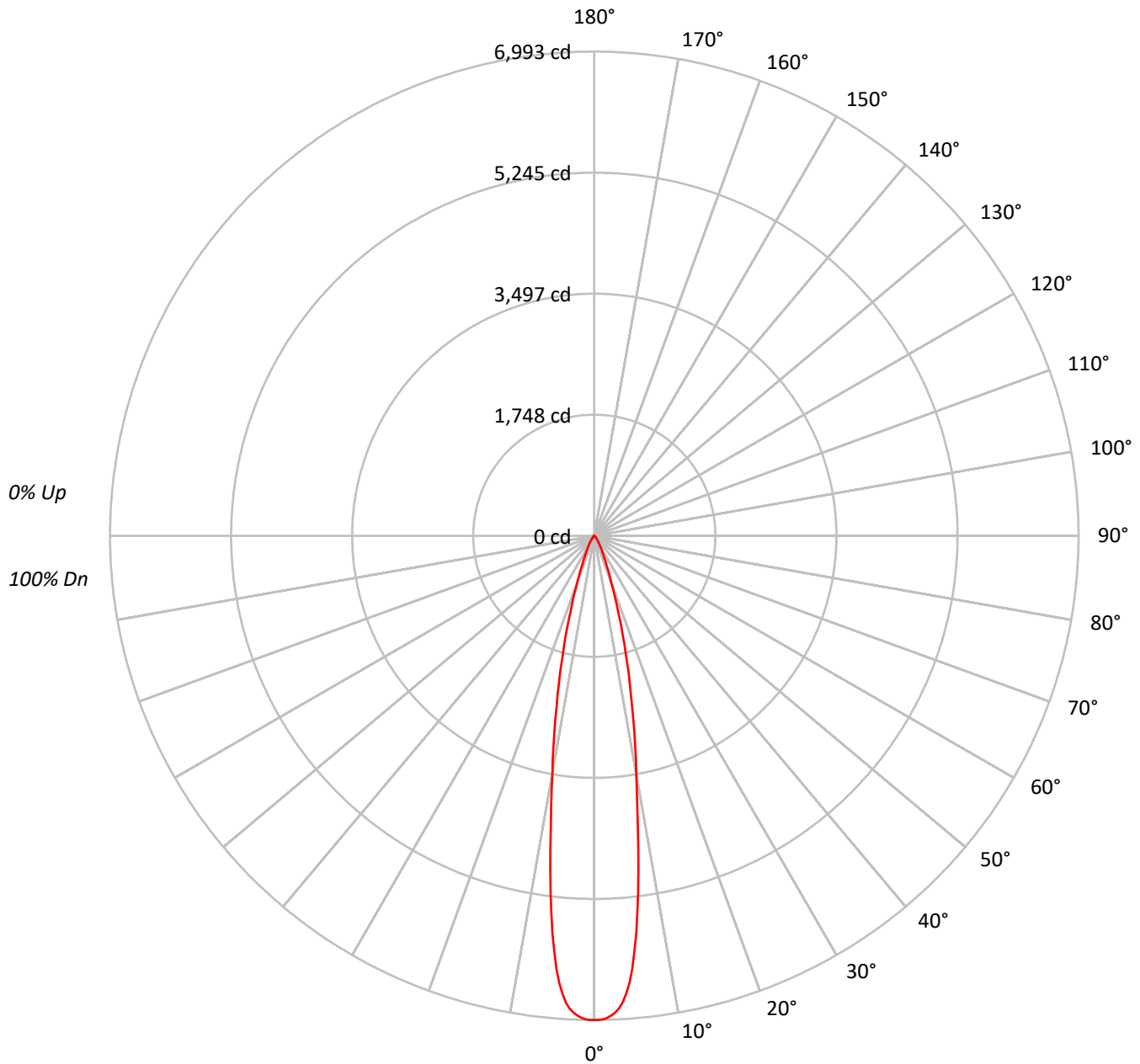
Downlight



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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°	764050
5°	689316
10°	386881
15°	196662
20°	83263
25°	38433
30°	20350
35°	10964
40°	5862
45°	3461
50°	2006
55°	1067
60°	677
65°	491
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3461 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.9	40.5
10°-20°	490.3	39.9
20°-30°	160.2	13.0
30°-40°	54.5	4.4
40°-50°	18.3	1.5
50°-60°	5.5	0.5
60°-70°	1.8	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°	1148.3	93.5
0°-40°	1202.8	97.9
0°-60°	1226.7	99.8
0°-90°	1228.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1228.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6993	
5°	6285	498
15°	1739	490
25°	319	160
35°	82	55
45°	22	18
55°	6	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6992.9
0.5°	6992.9
1°	6984.2
1.5°	6966.8
2°	6935.0
2.5°	6892.7
3°	6832.9
3.5°	6749.5
4°	6625.5
4.5°	6474.8
5°	6284.9
5.5°	6035.2
6°	5779.3
6.5°	5486.0
7°	5198.9
7.5°	4862.7
8°	4562.5
8.5°	4260.5
9°	3981.5
9.5°	3725.6
10°	3487.1
12.5°	2503.9
15°	1738.6
17.5°	1135.8
20°	716.1
22.5°	463.9
25°	318.8
27.5°	224.2
30°	161.3
32.5°	115.8
35°	82.2
37.5°	57.3
40°	41.1
42.5°	29.9
45°	22.4
47.5°	17.4
50°	11.8
52.5°	7.5
55°	5.6
57.5°	4.4
60°	3.1
62.5°	2.5
65°	1.9



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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°	1.2
70°	0.6



(END OF REPORT)