

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: P762021

Luminaire Tested: LD6D20D010-EU6DR2015309027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762021
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-EU6DR2015309027-6LBS1B
Description: 6 INCH ROUND SHALLOW 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: 1938.6 lumens
Efficiency: N/A
Efficacy: 83.9 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 (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



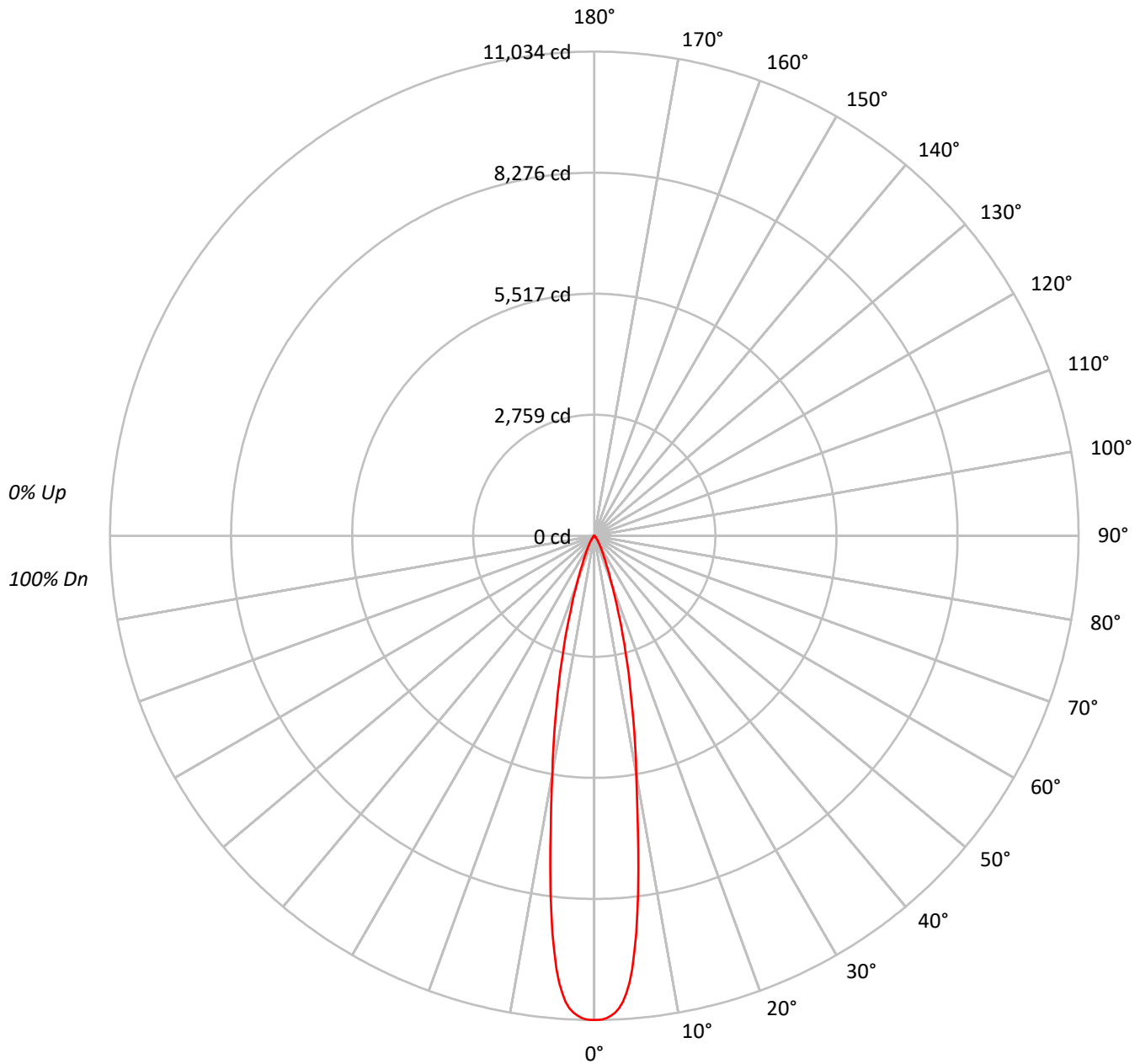
Downlight



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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	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°	1205594
5°	1087667
10°	610460
15°	310309
20°	131377
25°	60652
30°	32109
35°	17300
40°	9242
45°	5470
50°	3179
55°	1676
60°	1071
65°	750
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5470 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	785.6	40.5
10°-20°	773.6	39.9
20°-30°	252.7	13.0
30°-40°	86.0	4.4
40°-50°	28.9	1.5
50°-60°	8.7	0.4
60°-70°	2.9	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°	1811.9	93.5
0°-40°	1897.9	97.9
0°-60°	1935.6	99.8
0°-90°	1938.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1938.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11034	
5°	9917	786
15°	2743	774
25°	503	253
35°	130	86
45°	35	29
55°	9	9
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11034.1
0.5°	11034.1
1°	11020.3
1.5°	10992.8
2°	10942.7
2.5°	10875.9
3°	10781.5
3.5°	10649.9
4°	10454.4
4.5°	10216.6
5°	9916.9
5.5°	9522.9
6°	9119.1
6.5°	8656.3
7°	8203.3
7.5°	7672.8
8°	7199.2
8.5°	6722.6
9°	6282.4
9.5°	5878.6
10°	5502.3
12.5°	3950.8
15°	2743.3
17.5°	1792.2
20°	1129.9
22.5°	732.0
25°	503.1
27.5°	353.7
30°	254.5
32.5°	182.8
35°	129.7
37.5°	90.4
40°	64.8
42.5°	47.2
45°	35.4
47.5°	27.5
50°	18.7
52.5°	11.8
55°	8.8
57.5°	6.9
60°	4.9
62.5°	3.9
65°	2.9



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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°	2.0
70°	1.0



(END OF REPORT)