

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: P761917

Luminaire Tested: LD6D20D010-EU6DR1015209050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D20D010-EU6DR1015209050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 10° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2018.3 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 0.17 / 0.17 / 0.18
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



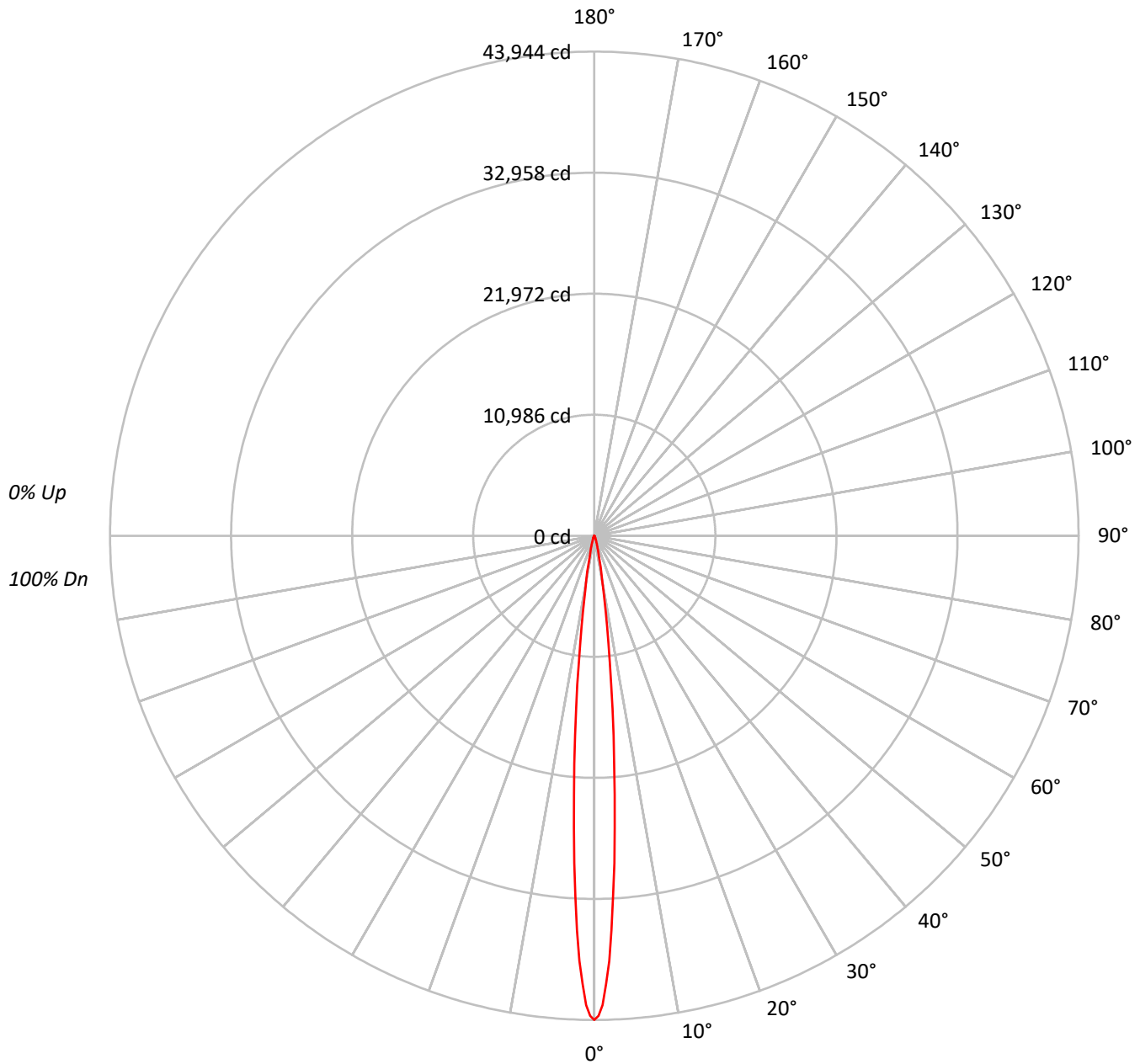
Downlight



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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	116	114	113	111		114	112	111	109		108	107	106			104	104	103			101
2	113	110	108	106		111	108	106	104		105	104	102			103	101	100			100
3	111	107	104	102		109	106	103	101		103	101	99			101	99	98			99
4	108	104	101	99		107	103	100	98		101	99	97			99	97	96			98
5	106	102	99	96		105	101	98	96		99	97	95			98	96	94			97
6	104	100	96	94		103	99	96	94		98	95	93			97	94	93			96
7	103	98	95	93		102	97	94	92		96	94	92			95	93	92			95
8	101	96	93	91		100	96	93	91		95	92	91			94	92	90			93
9	100	95	92	90		99	94	92	90		94	91	90			93	91	89			93
10	98	94	91	89		98	93	91	89		93	90	88			92	90	88			92

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4801366
5°	2276797
10°	466940
15°	128193
20°	51660
25°	27692
30°	16376
35°	10657
40°	7117
45°	4636
50°	2550
55°	1905
60°	1093
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4636 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1435.1	71.1
10°-20°	388.3	19.2
20°-30°	111.2	5.5
30°-40°	50.8	2.5
40°-50°	23.3	1.2
50°-60°	7.8	0.4
60°-70°	1.8	0.1
70°-80°	0.0	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°	1934.6	95.9
0°-40°	1985.4	98.4
0°-60°	2016.5	99.9
0°-90°	2018.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2018.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	43944	
5°	20759	###
15°	1133	388
25°	230	111
35°	80	51
45°	30	23
55°	10	8
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	43944.1
0.5°	43564.7
1°	42591.1
1.5°	40713.9
2°	38612.1
2.5°	35836.2
3°	32750.9
3.5°	29765.4
4°	26545.2
4.5°	23579.6
5°	20758.9
5.5°	18202.7
6°	15766.4
6.5°	13624.6
7°	11607.6
7.5°	9885.2
8°	8357.5
8.5°	7019.5
9°	5861.2
9.5°	4977.5
10°	4208.7
12.5°	2007.0
15°	1133.3
17.5°	689.0
20°	444.3
22.5°	309.5
25°	229.7
27.5°	169.7
30°	129.8
32.5°	99.9
35°	79.9
37.5°	59.9
40°	49.9
42.5°	39.9
45°	30.0
47.5°	20.0
50°	15.0
52.5°	10.0
55°	10.0
57.5°	5.0
60°	5.0
62.5°	5.0
65°	0.0



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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°	0.0
70°	0.0



(END OF REPORT)