

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: P772417

Luminaire Tested: LD6D80BD010-EU6DR6570959035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772417
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR6570959035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6375.1 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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

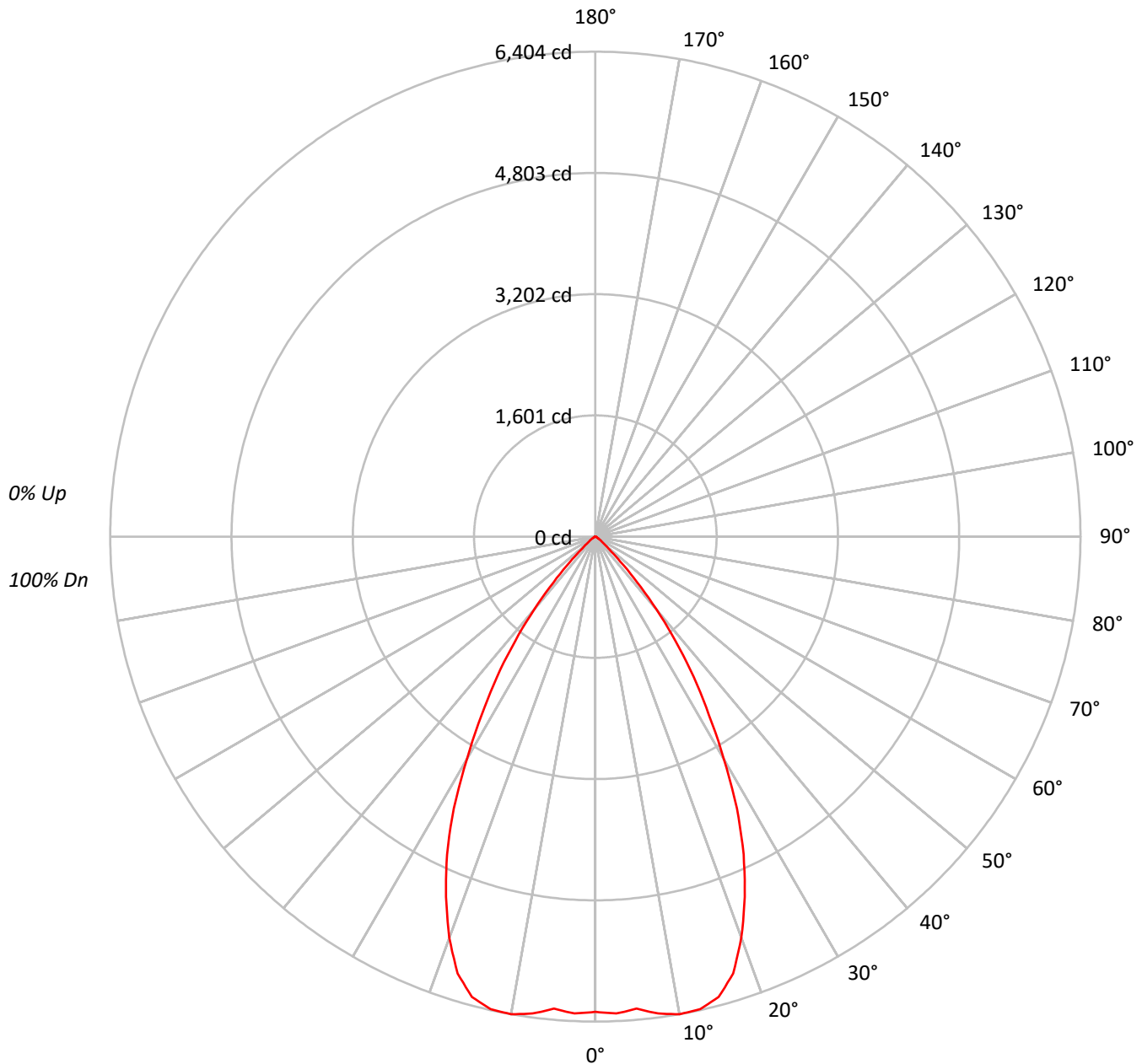


Downlight

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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	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	685797
5°	686366
10°	710533
15°	711709
20°	655244
25°	558306
30°	427404
35°	301952
40°	178230
45°	72361
50°	26228
55°	14611
60°	8391
65°	4602
70°	4856
75°	3757
80°	3901
85°	3385

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 72361 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.4	9.5
10°-20°	1743.4	27.3
20°-30°	2091.8	32.8
30°-40°	1405.7	22.1
40°-50°	420.8	6.6
50°-60°	74.3	1.2
60°-70°	21.1	0.3
70°-80°	10.3	0.2
80°-90°	3.3	0.1
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°	4439.6	69.6
0°-40°	5845.3	91.7
0°-60°	6340.3	99.5
0°-90°	6375.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6375.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6277	
5°	6258	604
15°	6292	1743
25°	4631	2092
35°	2264	1406
45°	468	421
55°	77	74
65°	18	21
75°	9	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6276.7
2.5°	6303.5
5°	6258.0
7.5°	6352.5
10°	6404.3
12.5°	6391.8
15°	6291.9
17.5°	6047.5
20°	5635.4
22.5°	5150.2
25°	4631.1
27.5°	4045.0
30°	3387.7
32.5°	2791.8
35°	2263.8
37.5°	1742.0
40°	1249.6
42.5°	816.1
45°	468.3
47.5°	248.0
50°	154.3
52.5°	107.0
55°	76.7
57.5°	55.3
60°	38.4
62.5°	25.0
65°	17.8
67.5°	16.1
70°	15.2
72.5°	11.6
75°	8.9
77.5°	8.0
80°	6.2
82.5°	4.5
85°	2.7
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)