

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: P771797

Luminaire Tested: LD6D80BD010-EU6DR2570959035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR2570959035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8600.2 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
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

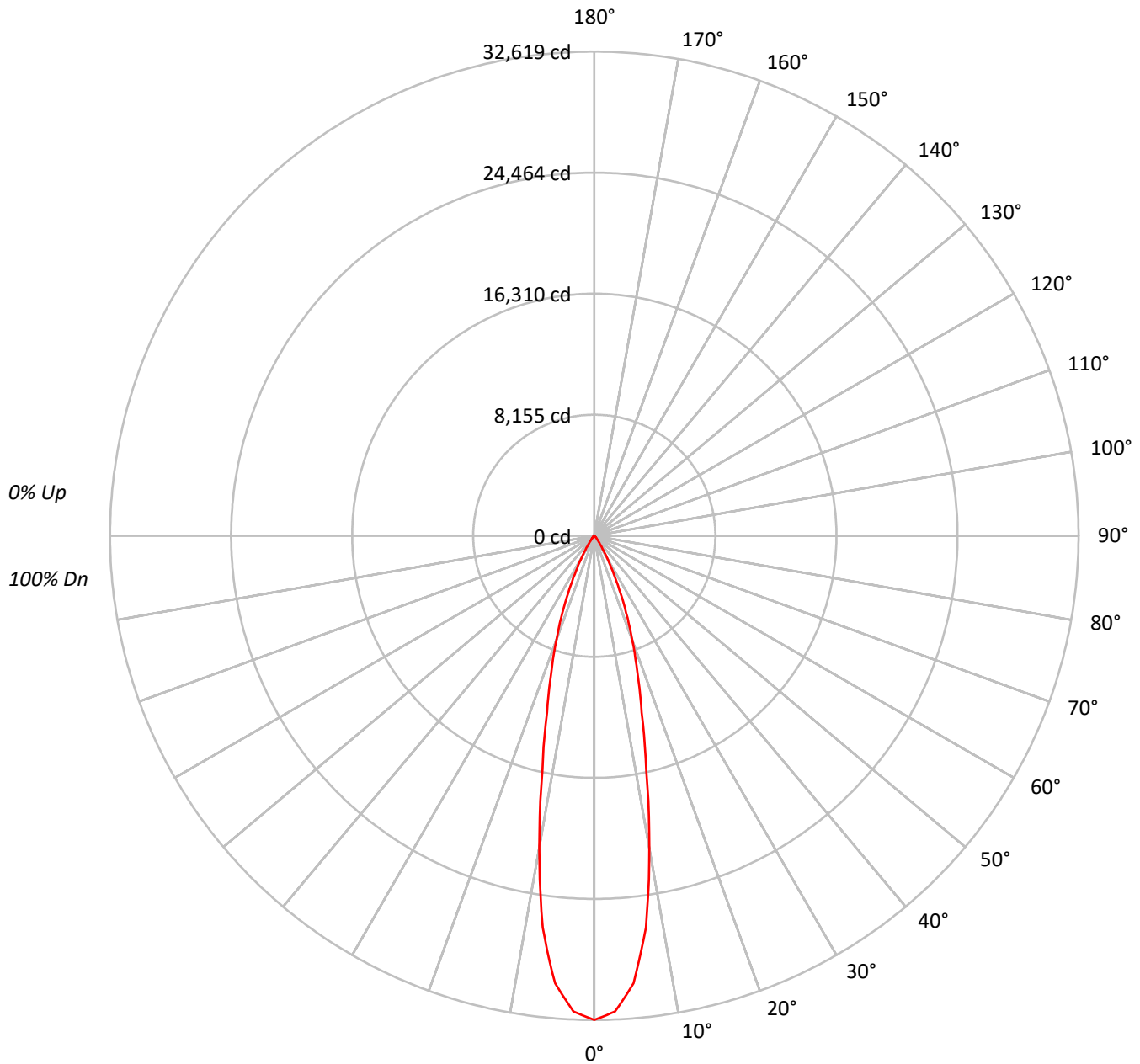


Downlight

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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					0
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	112	110	109	107		106	105	104		103	102	101		99	99	98
2	111	107	104	101	109	105	102	100		102	100	98		99	97	96		97	95	94
3	107	102	98	95	105	101	97	94		98	95	93		96	93	91		94	92	90
4	103	97	93	90	102	96	93	90		94	91	89		93	90	88		91	89	87
5	100	93	89	86	98	93	89	86		91	87	85		89	86	84		88	85	83
6	97	90	85	82	95	89	85	82		88	84	81		87	83	81		85	83	80
7	93	87	82	79	92	86	82	79		85	81	78		84	80	78		83	80	78
8	91	84	79	76	90	83	79	76		82	78	76		81	78	75		80	77	75
9	88	81	76	73	87	80	76	73		80	76	73		79	75	73		78	75	73
10	85	78	74	71	85	78	74	71		77	73	71		76	73	71		76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3563944
5°	3319364
10°	2367793
15°	1394539
20°	867698
25°	476196
30°	217783
35°	82471
40°	37355
45°	22451
50°	9315
55°	6000
60°	4196
65°	2844
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22451 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2601.0	30.2
10°-20°	3522.9	41.0
20°-30°	1864.2	21.7
30°-40°	460.2	5.4
40°-50°	112.3	1.3
50°-60°	29.5	0.3
60°-70°	9.9	0.1
70°-80°	0.2	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°	7988.1	92.9
0°-40°	8448.3	98.2
0°-60°	8590.1	99.9
0°-90°	8600.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8600.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	32619	
5°	30265	###
15°	12328	3523
25°	3950	1864
35°	618	460
45°	145	112
55°	32	30
65°	11	10
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	32618.7
2.5°	32082.6
5°	30264.6
7.5°	26612.1
10°	21341.8
12.5°	16133.2
15°	12328.5
17.5°	9608.3
20°	7462.6
22.5°	5596.6
25°	3950.0
27.5°	2648.9
30°	1726.2
32.5°	1050.2
35°	618.3
37.5°	378.4
40°	261.9
42.5°	200.2
45°	145.3
47.5°	87.7
50°	54.8
52.5°	39.8
55°	31.5
57.5°	24.7
60°	19.2
62.5°	15.1
65°	11.0
67.5°	4.1
70°	1.4
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°







(END OF REPORT)