

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: P770474

Luminaire Tested: LD6D70BD010-EU6DR4070959035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR4070959035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8514.9 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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

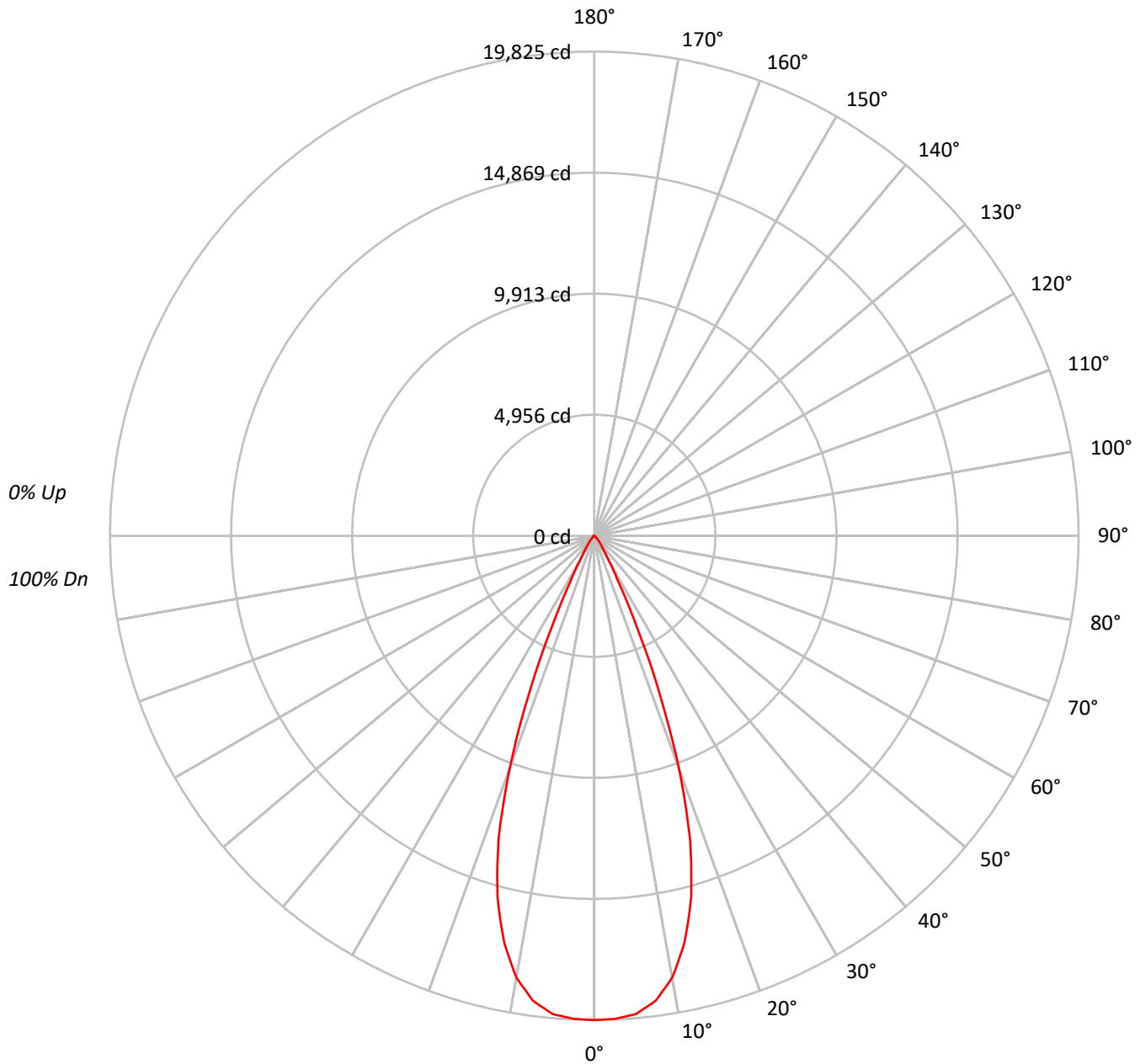


Downlight

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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					0
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	115	112	110	108	112	110	108	107		106	105	103			103	101	100			96
2	110	106	103	100	108	105	102	99		102	99	97			99	97	95			92
3	106	101	97	94	104	100	96	93		97	94	92			95	93	90			88
4	102	97	92	89	101	95	91	88		93	90	87			92	89	86			84
5	99	92	88	84	97	91	87	84		90	86	83			88	85	83			81
6	95	88	84	80	94	88	83	80		86	82	80			85	82	79			77
7	92	85	80	77	91	84	80	77		83	79	76			82	79	76			74
8	89	82	77	74	88	81	77	74		80	76	73			79	76	73			72
9	86	79	74	71	85	78	74	71		77	73	71			76	73	70			69
10	83	76	71	68	82	75	71	68		75	71	68			74	70	68			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2166094
5°	2155570
10°	2037484
15°	1732120
20°	1180565
25°	492579
30°	154878
35°	71987
40°	39808
45°	18249
50°	8856
55°	4858
60°	2535
65°	905
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18249 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1835.1	21.6
10°-20°	4111.2	48.3
20°-30°	2057.9	24.2
30°-40°	377.2	4.4
40°-50°	104.1	1.2
50°-60°	24.5	0.3
60°-70°	4.7	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°	8004.3	94.0
0°-40°	8381.6	98.4
0°-60°	8510.1	99.9
0°-90°	8514.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8514.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19825	
5°	19654	###
15°	15313	4111
25°	4086	2058
35°	540	377
45°	118	104
55°	26	24
65°	4	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19825.0
2.5°	19796.0
5°	19653.6
7.5°	19199.6
10°	18364.6
12.5°	17062.8
15°	15312.9
17.5°	13037.1
20°	10153.4
22.5°	6922.2
25°	4085.9
27.5°	2159.9
30°	1227.6
32.5°	793.3
35°	539.7
37.5°	385.7
40°	279.1
42.5°	191.1
45°	118.1
47.5°	75.3
50°	52.1
52.5°	37.1
55°	25.5
57.5°	16.2
60°	11.6
62.5°	6.9
65°	3.5
67.5°	2.3
70°	1.2
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)