

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: P774861

Luminaire Tested: LD6D95BD010-EU6DR7070959050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR7070959050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6995.3 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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

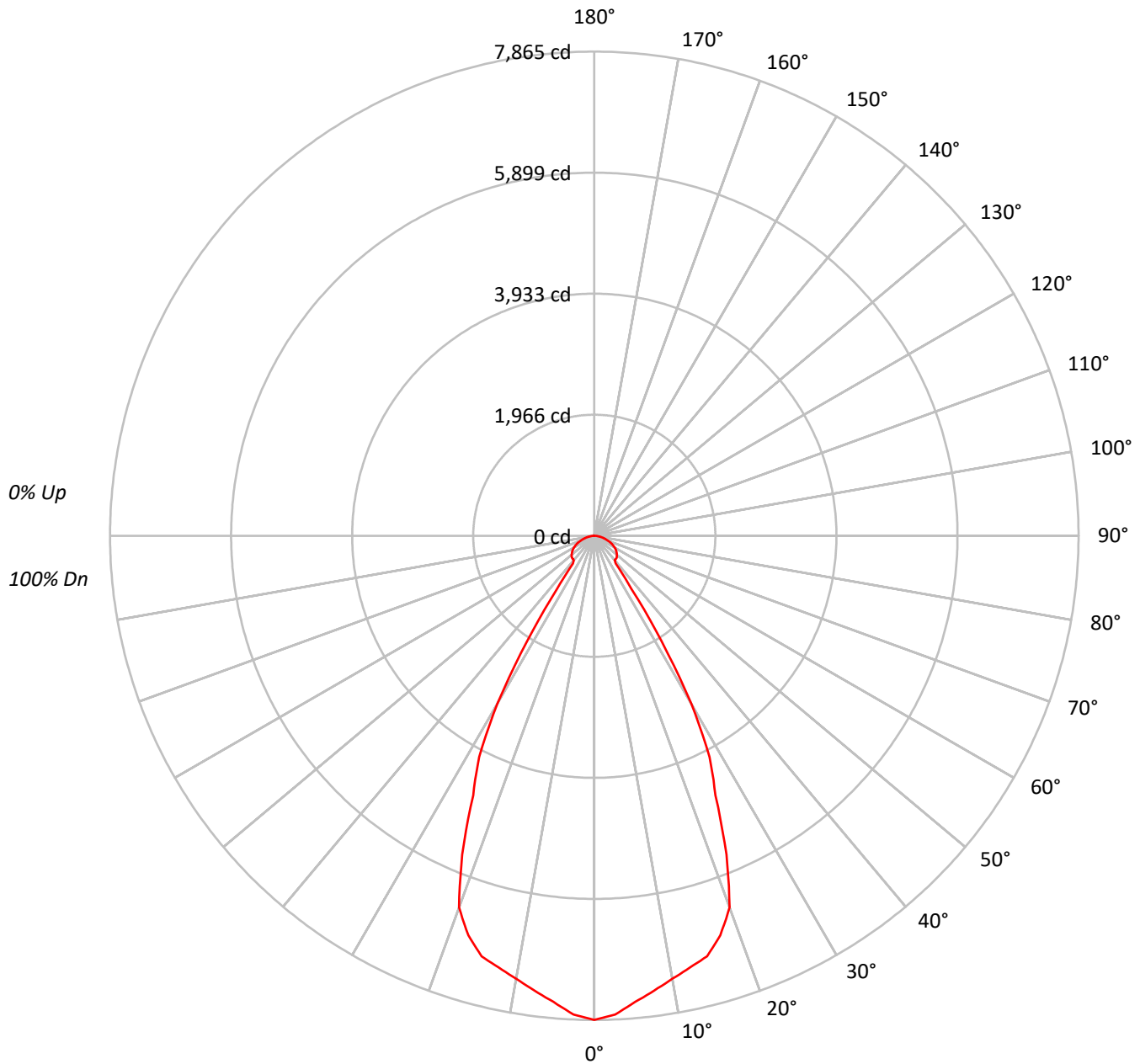


Downlight

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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				0
RW	70	50	30	10	70	50	30	10	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	102	102	102	100			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	859303
5°	833773
10°	810529
15°	799893
20°	746937
25°	561140
30°	396671
35°	140505
40°	73882
45°	78696
50°	81488
55°	83016
60°	83541
65°	81774
70°	77181
75°	71470
80°	63487
85°	51524

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 83557 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	717.0	10.3
10°-20°	1966.8	28.1
20°-30°	2166.1	31.0
30°-40°	827.6	11.8
40°-50°	390.8	5.6
50°-60°	388.5	5.6
60°-70°	311.1	4.4
70°-80°	178.8	2.6
80°-90°	48.6	0.7
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°	4849.9	69.3
0°-40°	5677.6	81.2
0°-60°	6456.8	92.3
0°-90°	6995.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6995.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7865	
5°	7602	717
15°	7072	1967
25°	4655	2166
35°	1053	828
45°	509	391
55°	436	388
65°	316	311
75°	169	179
85°	41	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7864.7
2.5°	7782.5
5°	7602.0
7.5°	7451.3
10°	7305.6
12.5°	7182.3
15°	7071.5
17.5°	6803.8
20°	6424.0
22.5°	5604.7
25°	4654.6
27.5°	4051.9
30°	3144.1
32.5°	2030.9
35°	1053.4
37.5°	569.1
40°	518.0
42.5°	514.3
45°	509.3
47.5°	498.1
50°	479.4
52.5°	458.2
55°	435.8
57.5°	410.9
60°	382.3
62.5°	349.9
65°	316.3
67.5°	278.9
70°	241.6
72.5°	204.2
75°	169.3
77.5°	133.2
80°	100.9
82.5°	71.0
85°	41.1
87.5°	16.2
90°	0.0



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— 0°-180°







(END OF REPORT)