

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: P774679

Luminaire Tested: LD6D95BD010-EU6DR6070959035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6070959035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8922.3 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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

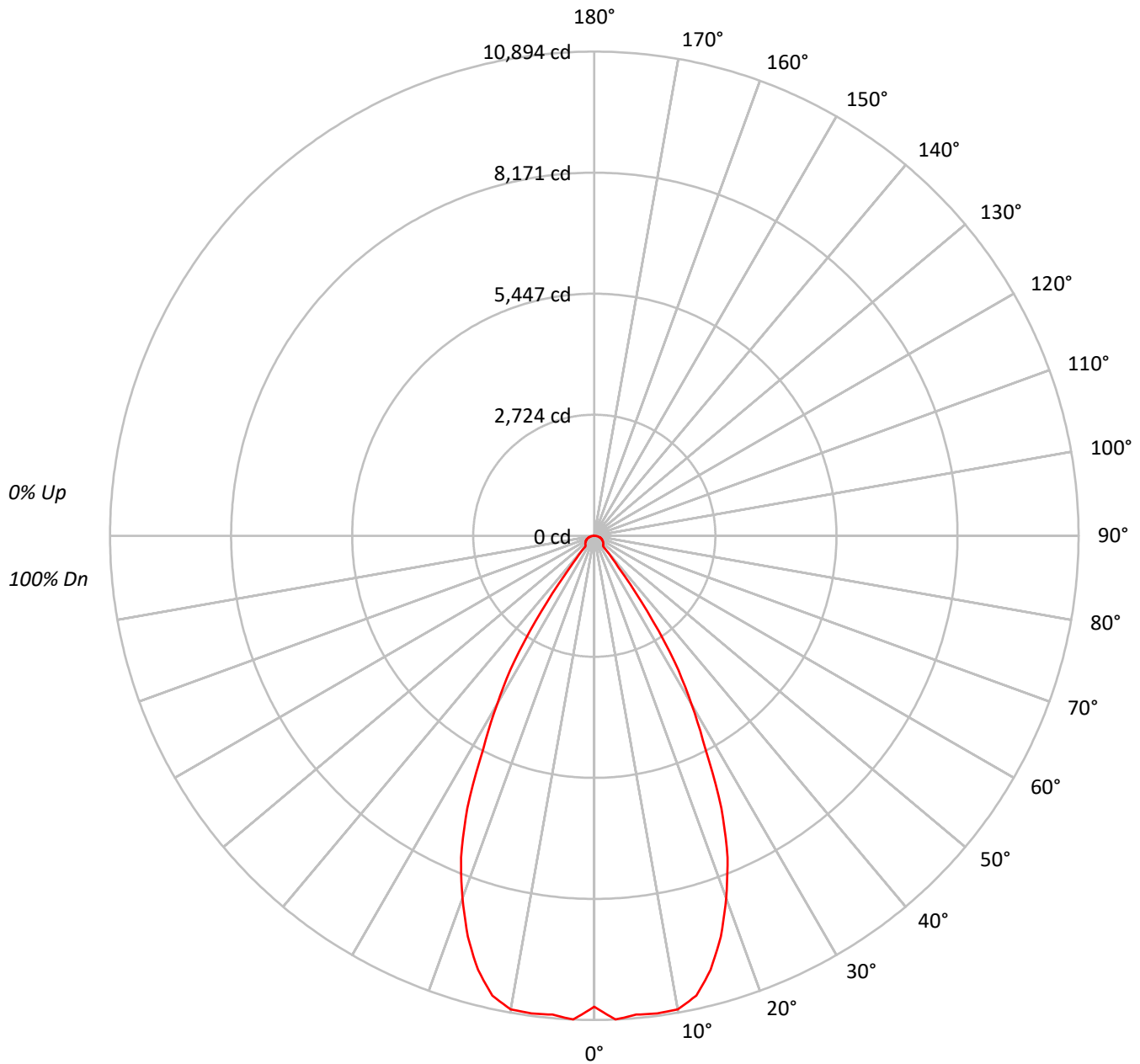


Downlight

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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	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1157771
5°	1186235
10°	1200572
15°	1143706
20°	1008388
25°	815621
30°	551700
35°	276462
40°	44843
45°	43899
50°	44773
55°	45451
60°	46698
65°	47777
70°	48909
75°	49476
80°	47694
85°	39740

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 49476 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1033.7	11.6
10°-20°	2796.8	31.3
20°-30°	3009.1	33.7
30°-40°	1308.0	14.7
40°-50°	219.7	2.5
50°-60°	213.6	2.4
60°-70°	182.7	2.0
70°-80°	122.2	1.4
80°-90°	36.6	0.4
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°	6839.5	76.7
0°-40°	8147.5	91.3
0°-60°	8580.8	96.2
0°-90°	8922.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8922.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10596	
5°	10816	###
15°	10111	2797
25°	6766	3009
35°	2073	1308
45°	284	220
55°	239	214
65°	185	183
75°	117	122
85°	32	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10596.4
2.5°	10894.2
5°	10815.6
7.5°	10840.5
10°	10821.2
12.5°	10597.8
15°	10111.0
17.5°	9457.3
20°	8672.6
22.5°	7832.8
25°	6765.5
27.5°	5411.3
30°	4372.9
32.5°	3370.3
35°	2072.7
37.5°	886.7
40°	314.4
42.5°	289.6
45°	284.1
47.5°	274.4
50°	263.4
52.5°	251.0
55°	238.6
57.5°	226.2
60°	213.7
62.5°	200.0
65°	184.8
67.5°	169.6
70°	153.1
72.5°	135.1
75°	117.2
77.5°	96.5
80°	75.8
82.5°	53.8
85°	31.7
87.5°	11.0
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)