

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: P774705

Luminaire Tested: LD6D95BD010-EU6DR6070959050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774705
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-EU6DR6070959050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9406.2 lumens
Efficiency: N/A
Efficacy: 94.8 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

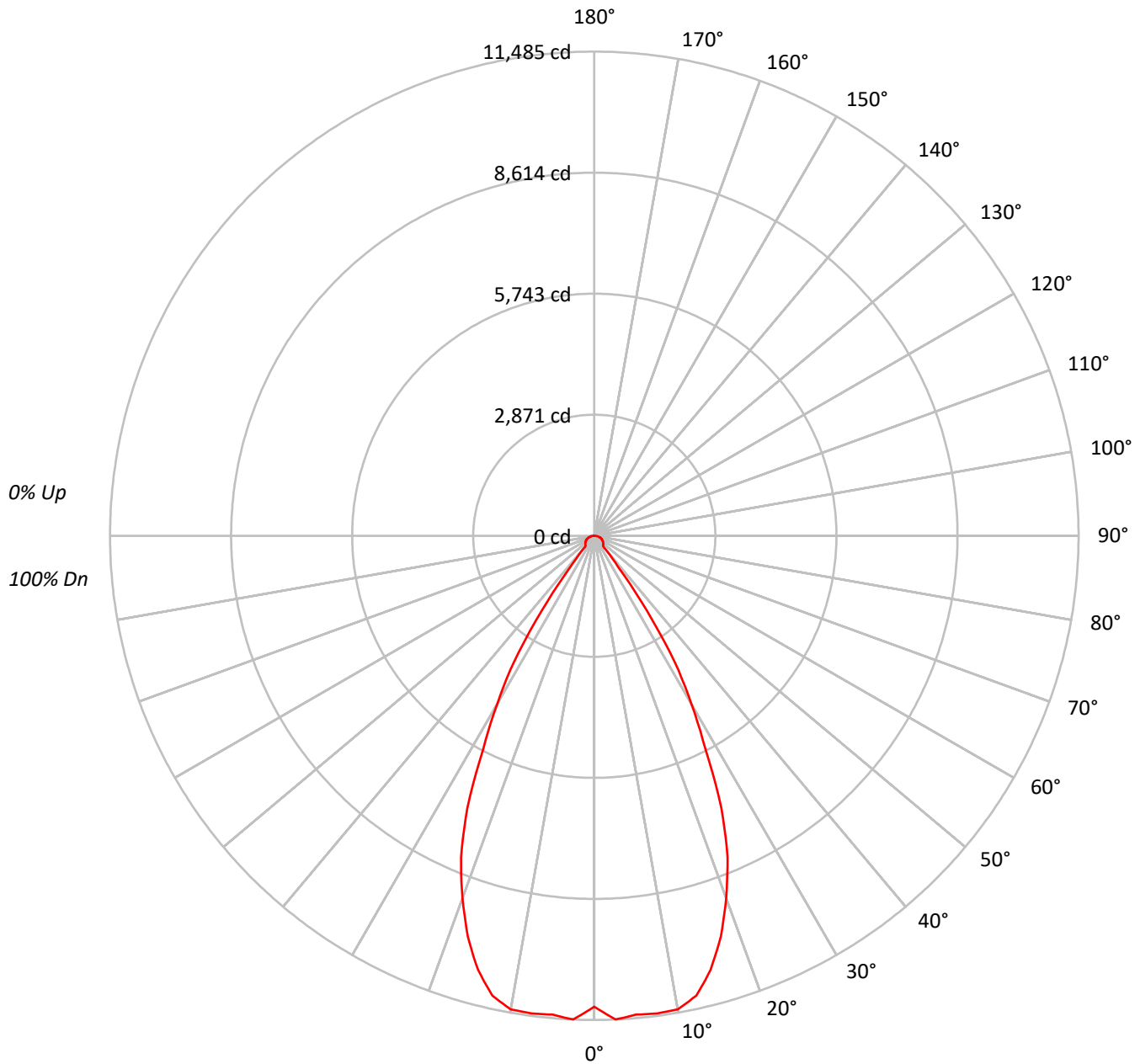


Downlight

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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°	1220552
5°	1250572
10°	1265675
15°	1205727
20°	1063083
25°	859841
30°	581614
35°	291455
40°	47282
45°	46278
50°	47203
55°	47908
60°	49233
65°	50362
70°	51560
75°	52178
80°	50337
85°	41871

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 52178 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1089.8	11.6
10°-20°	2948.4	31.3
20°-30°	3172.2	33.7
30°-40°	1378.9	14.7
40°-50°	231.6	2.5
50°-60°	225.2	2.4
60°-70°	192.6	2.0
70°-80°	128.9	1.4
80°-90°	38.5	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°	7210.4	76.7
0°-40°	8589.4	91.3
0°-60°	9046.1	96.2
0°-90°	9406.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9406.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11171	
5°	11402	###
15°	10659	2948
25°	7132	3172
35°	2185	1379
45°	300	232
55°	252	225
65°	195	193
75°	124	129
85°	33	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11171.0
2.5°	11485.0
5°	11402.2
7.5°	11428.3
10°	11408.0
12.5°	11172.5
15°	10659.3
17.5°	9970.2
20°	9143.0
22.5°	8257.6
25°	7132.3
27.5°	5704.7
30°	4610.0
32.5°	3553.1
35°	2185.1
37.5°	934.8
40°	331.5
42.5°	305.3
45°	299.5
47.5°	289.3
50°	277.7
52.5°	264.6
55°	251.5
57.5°	238.4
60°	225.3
62.5°	210.8
65°	194.8
67.5°	178.8
70°	161.4
72.5°	142.5
75°	123.6
77.5°	101.8
80°	80.0
82.5°	56.7
85°	33.4
87.5°	11.6
90°	0.0



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— 0°-180°







(END OF REPORT)