

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: P774668

Luminaire Tested: LD6D95BD010-EU6DR6070959030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774668
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-EU6DR6070959030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11772.8 lumens
Efficiency: N/A
Efficacy: 118.7 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 (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

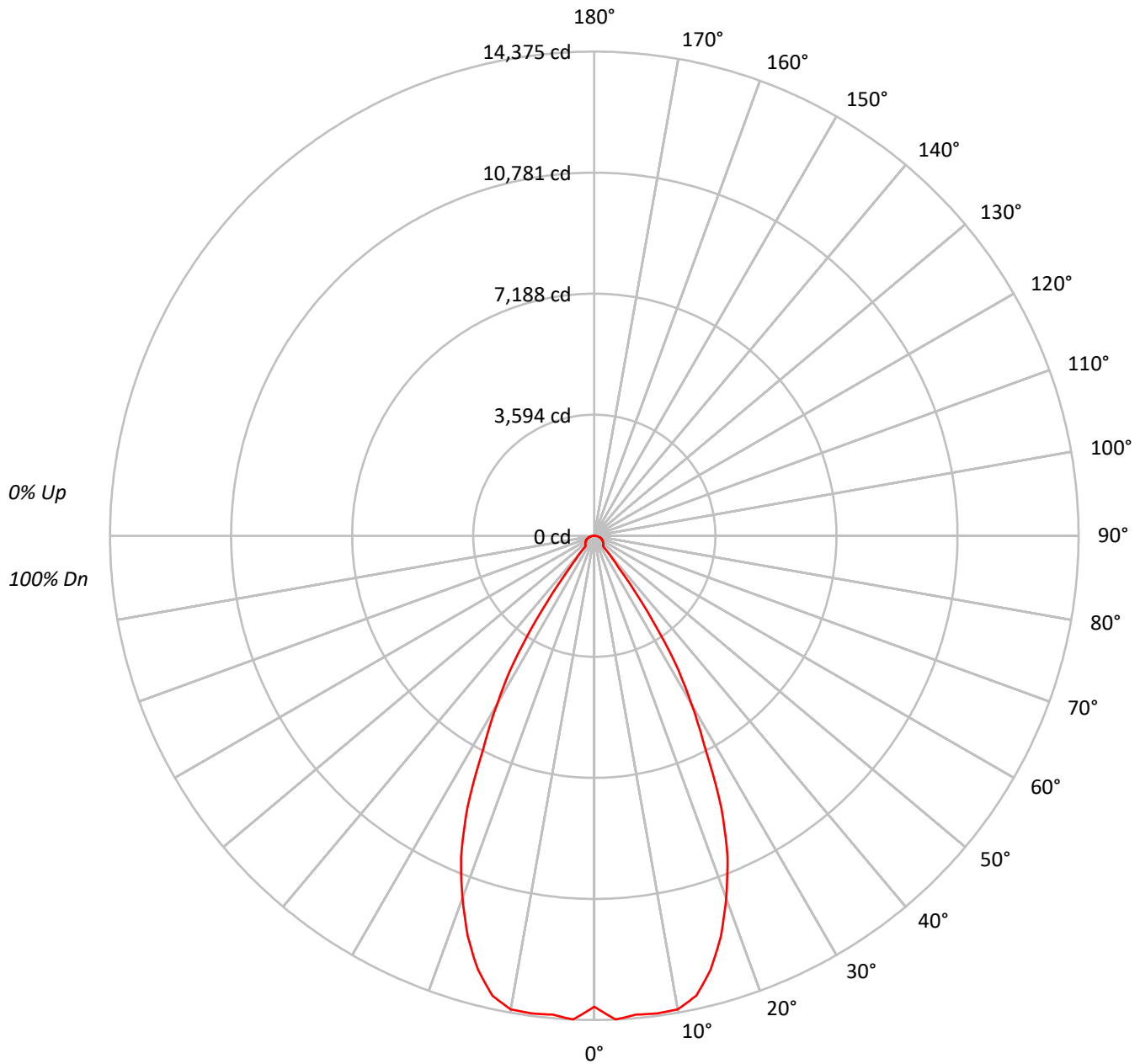


Downlight

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1527651
5°	1565216
10°	1584124
15°	1509091
20°	1330557
25°	1076190
30°	727951
35°	364775
40°	59177
45°	57913
50°	59068
55°	59966
60°	61623
65°	63030
70°	64530
75°	65307
80°	62984
85°	52527

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 65307 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1363.9	11.6
10°-20°	3690.2	31.3
20°-30°	3970.4	33.7
30°-40°	1725.9	14.7
40°-50°	289.9	2.5
50°-60°	281.9	2.4
60°-70°	241.0	2.0
70°-80°	161.3	1.4
80°-90°	48.3	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°	9024.6	76.7
0°-40°	10750.4	91.3
0°-60°	11322.2	96.2
0°-90°	11772.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11772.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13982	
5°	14271	###
15°	13341	3690
25°	8927	3970
35°	2735	1726
45°	375	290
55°	315	282
65°	244	241
75°	155	161
85°	42	48
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13981.7
2.5°	14374.7
5°	14271.0
7.5°	14303.7
10°	14278.3
12.5°	13983.5
15°	13341.2
17.5°	12478.7
20°	11443.4
22.5°	10335.2
25°	8926.9
27.5°	7140.0
30°	5769.9
32.5°	4447.1
35°	2734.8
37.5°	1170.0
40°	414.9
42.5°	382.1
45°	374.8
47.5°	362.1
50°	347.5
52.5°	331.2
55°	314.8
57.5°	298.4
60°	282.0
62.5°	263.8
65°	243.8
67.5°	223.8
70°	202.0
72.5°	178.3
75°	154.7
77.5°	127.4
80°	100.1
82.5°	71.0
85°	41.9
87.5°	14.6
90°	0.0



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— 0°-180°







(END OF REPORT)