

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: P774681

Luminaire Tested: LD6D95BD010-EU6DR6070959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774681
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-EU6DR6070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11896.8 lumens
Efficiency: N/A
Efficacy: 119.9 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

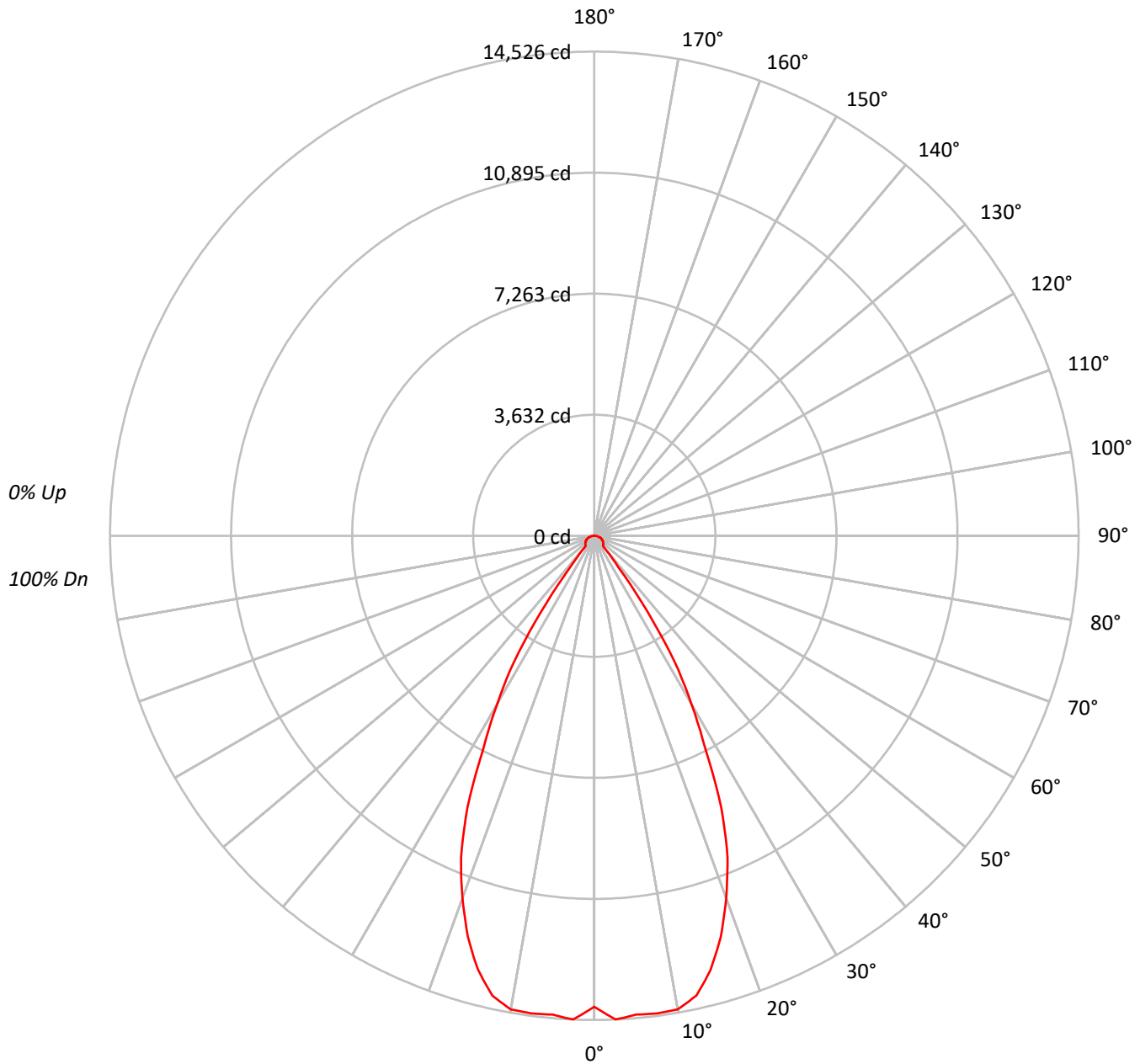


Downlight

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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
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°	1543745
5°	1581701
10°	1600811
15°	1524983
20°	1344568
25°	1087523
30°	735621
35°	368617
40°	59790
45°	58531
50°	59697
55°	60595
60°	62279
65°	63703
70°	65201
75°	65982
80°	63613
85°	53028

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 65982 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1378.3	11.6
10°-20°	3729.1	31.3
20°-30°	4012.2	33.7
30°-40°	1744.0	14.7
40°-50°	292.9	2.5
50°-60°	284.8	2.4
60°-70°	243.6	2.0
70°-80°	163.0	1.4
80°-90°	48.8	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°	9119.7	76.7
0°-40°	10863.7	91.3
0°-60°	11441.4	96.2
0°-90°	11896.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11896.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14129	
5°	14421	###
15°	13482	3729
25°	9021	4012
35°	2764	1744
45°	379	293
55°	318	285
65°	246	244
75°	156	163
85°	42	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14129.0
2.5°	14526.1
5°	14421.3
7.5°	14454.4
10°	14428.7
12.5°	14130.8
15°	13481.7
17.5°	12610.1
20°	11563.9
22.5°	10444.1
25°	9020.9
27.5°	7215.3
30°	5830.7
32.5°	4493.9
35°	2763.6
37.5°	1182.3
40°	419.2
42.5°	386.1
45°	378.8
47.5°	365.9
50°	351.2
52.5°	334.7
55°	318.1
57.5°	301.6
60°	285.0
62.5°	266.6
65°	246.4
67.5°	226.2
70°	204.1
72.5°	180.2
75°	156.3
77.5°	128.7
80°	101.1
82.5°	71.7
85°	42.3
87.5°	14.7
90°	0.0



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— 0°-180°







(END OF REPORT)