

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: P774680

Luminaire Tested: LD6D95BD010-EU6DR6070959035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774680
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-EU6DR6070959035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 11330.3 lumens
Efficiency: N/A
Efficacy: 114.2 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

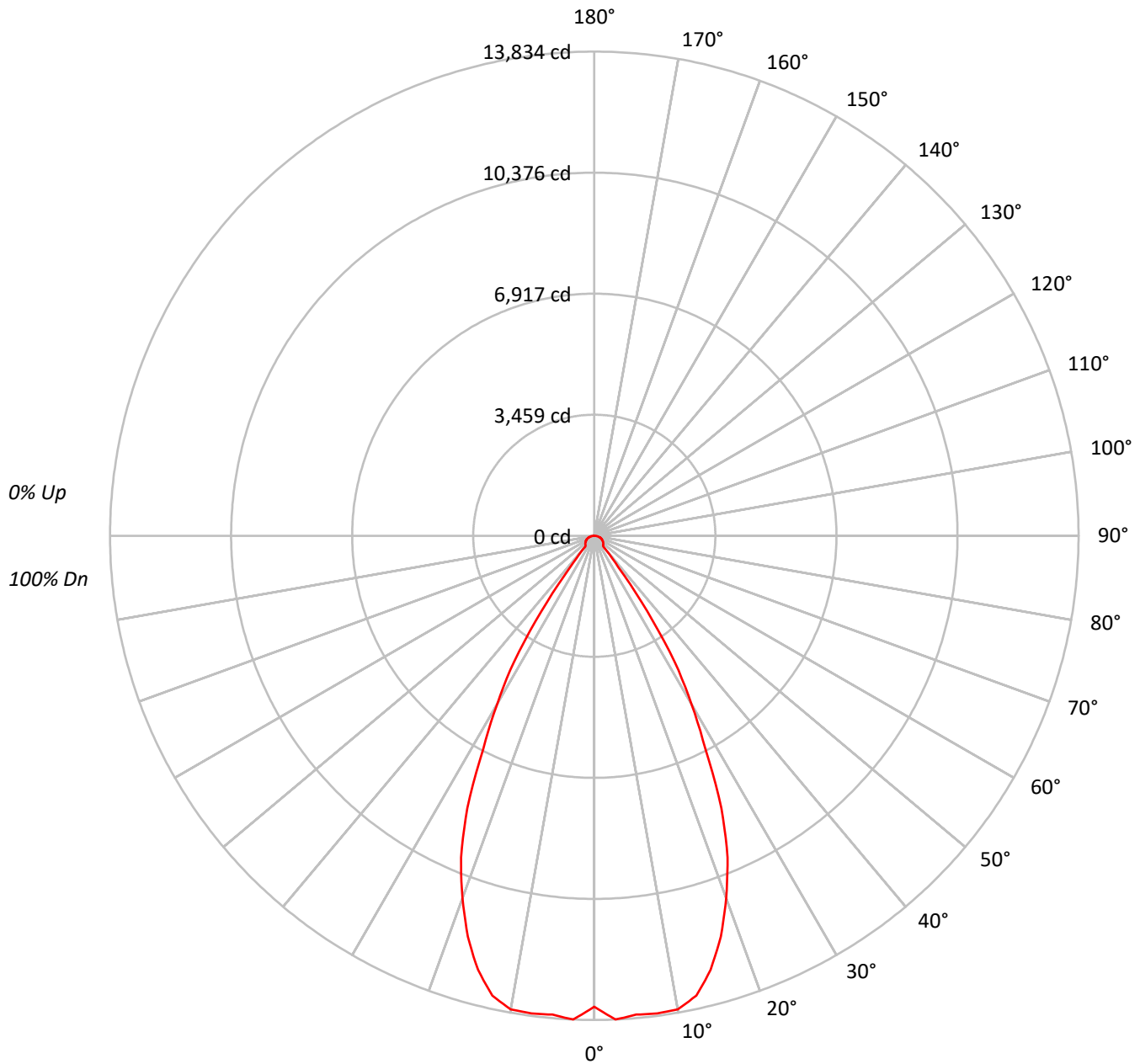


Downlight

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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°	1470224
5°	1506385
10°	1524579
15°	1452363
20°	1280536
25°	1035732
30°	700586
35°	351063
40°	56952
45°	55735
50°	56858
55°	57719
60°	59307
65°	60678
70°	62102
75°	62858
80°	60593
85°	50521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 62858 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1312.7	11.6
10°-20°	3551.5	31.3
20°-30°	3821.2	33.7
30°-40°	1661.0	14.7
40°-50°	279.0	2.5
50°-60°	271.3	2.4
60°-70°	232.0	2.0
70°-80°	155.3	1.4
80°-90°	46.4	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°	8685.4	76.7
0°-40°	10346.4	91.3
0°-60°	10896.6	96.2
0°-90°	11330.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11330.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13456	
5°	13735	###
15°	12840	3552
25°	8591	3821
35°	2632	1661
45°	361	279
55°	303	271
65°	235	232
75°	149	155
85°	40	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13456.1
2.5°	13834.4
5°	13734.6
7.5°	13766.1
10°	13741.6
12.5°	13457.9
15°	12839.7
17.5°	12009.7
20°	11013.2
22.5°	9946.8
25°	8591.3
27.5°	6871.7
30°	5553.0
32.5°	4279.9
35°	2632.0
37.5°	1126.0
40°	399.3
42.5°	367.7
45°	360.7
47.5°	348.5
50°	334.5
52.5°	318.7
55°	303.0
57.5°	287.2
60°	271.4
62.5°	253.9
65°	234.7
67.5°	215.4
70°	194.4
72.5°	171.6
75°	148.9
77.5°	122.6
80°	96.3
82.5°	68.3
85°	40.3
87.5°	14.0
90°	0.0



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— 0°-180°







(END OF REPORT)