

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: P774255

Luminaire Tested: LD6D95BD010-EU6DR3570959024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR3570959024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9632.4 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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

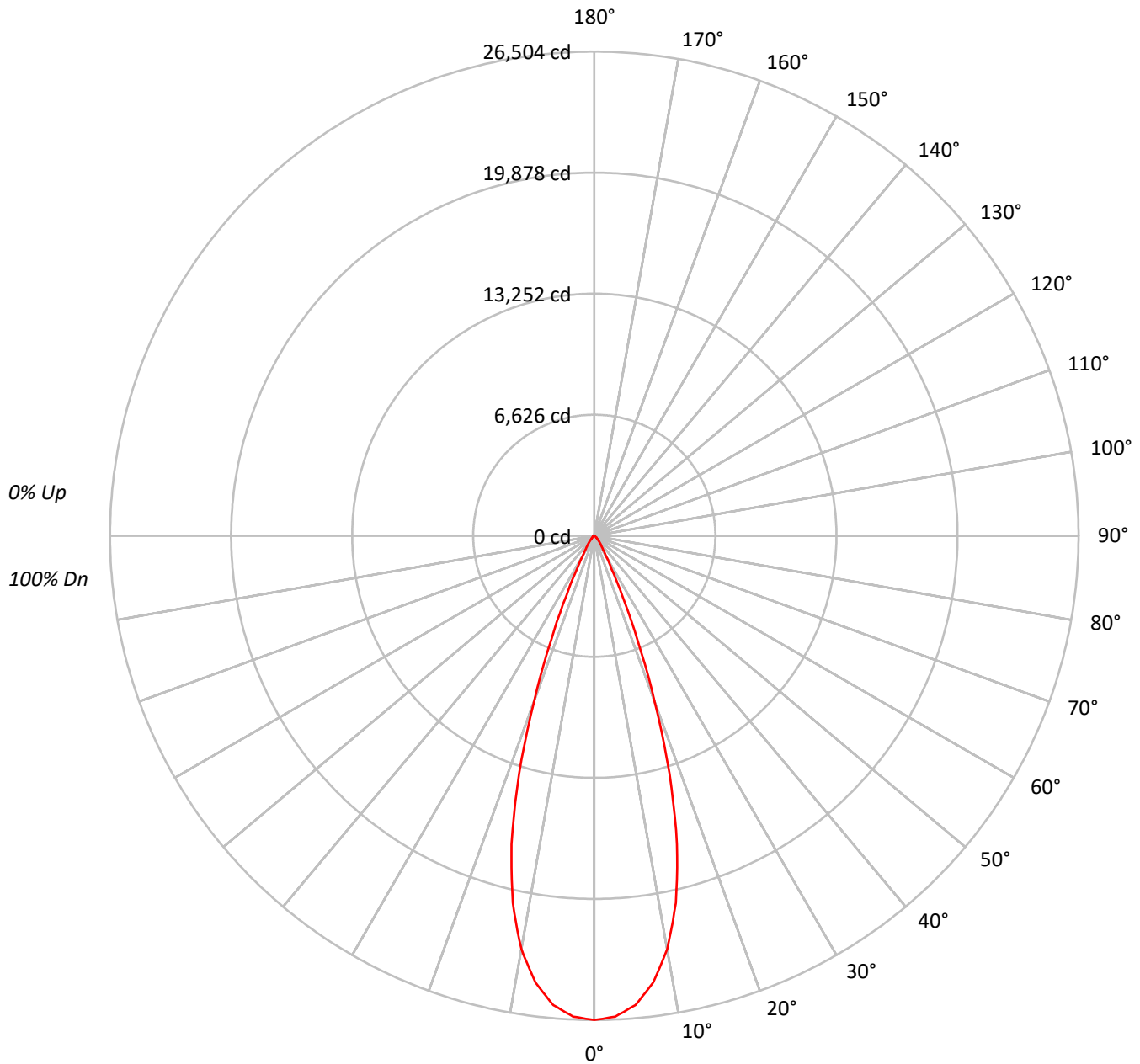


Downlight

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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96						
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92						
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88						
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84						
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81						
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78						
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75						
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72						
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70						
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2895803
5°	2827765
10°	2548569
15°	1978100
20°	1121940
25°	436485
30°	162839
35°	89260
40°	58336
45°	35508
50°	22607
55°	15963
60°	11691
65°	6360
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35508 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2371.2	24.6
10°-20°	4629.7	48.1
20°-30°	1888.1	19.6
30°-40°	451.8	4.7
40°-50°	188.3	2.0
50°-60°	77.9	0.8
60°-70°	24.4	0.3
70°-80°	0.5	0.0
80°-90°	0.4	0.0
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°	8889.0	92.3
0°-40°	9340.8	97.0
0°-60°	9607.1	99.7
0°-90°	9632.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9632.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	26504	
5°	25782	###
15°	17488	4630
25°	3621	1888
35°	669	452
45°	230	188
55°	84	78
65°	25	24
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	26503.6
2.5°	26344.6
5°	25782.4
7.5°	24660.8
10°	22971.2
12.5°	20592.1
15°	17487.5
17.5°	13690.5
20°	9649.2
22.5°	6152.9
25°	3620.6
27.5°	2046.6
30°	1290.7
32.5°	906.2
35°	669.2
37.5°	517.4
40°	409.0
42.5°	315.1
45°	229.8
47.5°	172.0
50°	133.0
52.5°	105.5
55°	83.8
57.5°	67.9
60°	53.5
62.5°	39.0
65°	24.6
67.5°	8.7
70°	1.4
72.5°	1.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)