

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: P774164

Luminaire Tested: LD6D95BD010-EU6DR2570959050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR2570959050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11202.7 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
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

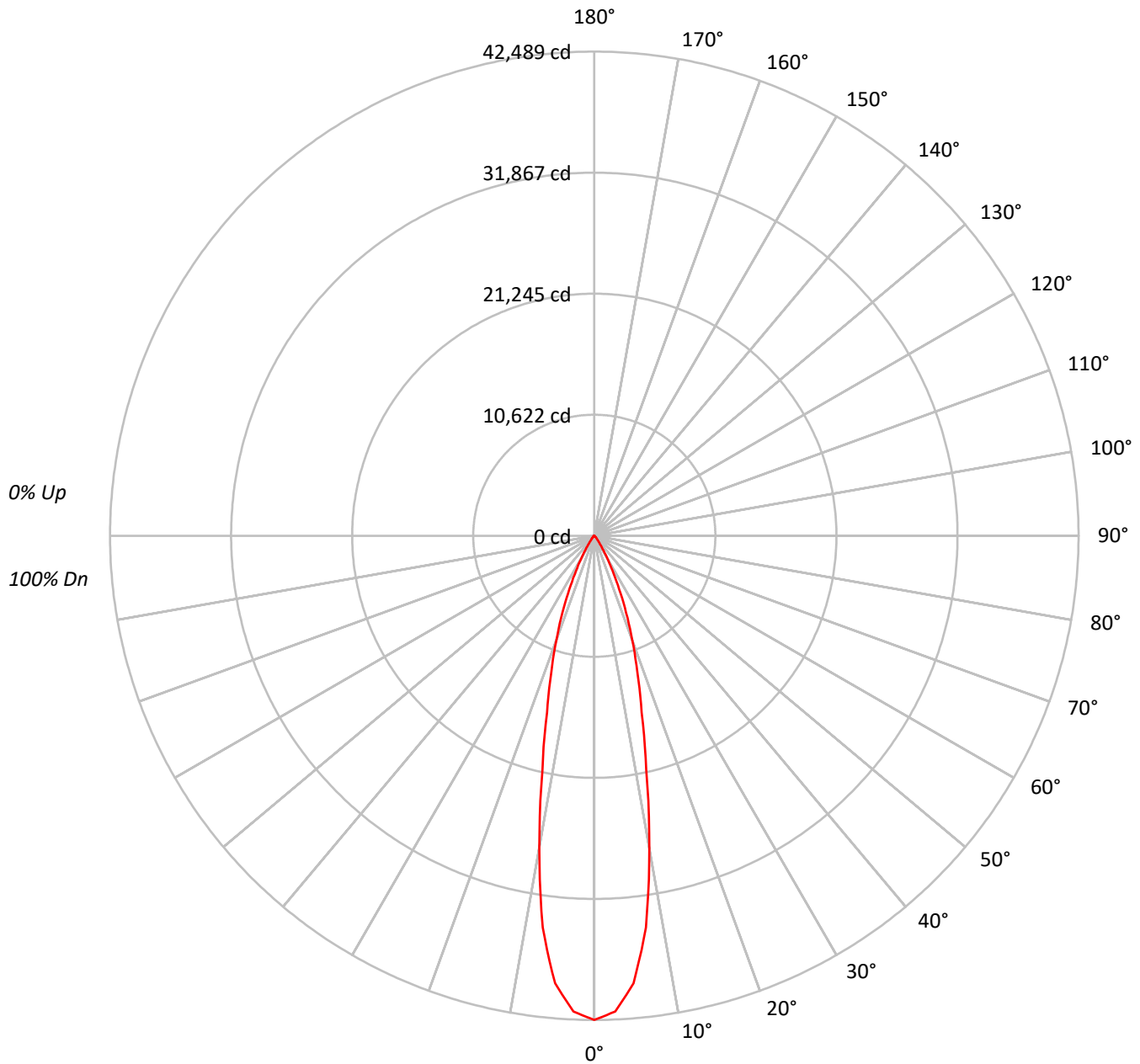


Downlight

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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				0
RW	70	50	30	10	70	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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89			
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85			
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79			
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4642413
5°	4323818
10°	3084295
15°	1816537
20°	1130277
25°	620296
30°	283679
35°	107440
40°	48651
45°	29250
50°	12137
55°	7829
60°	5463
65°	3697
70°	575
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29250 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3388.1	30.2
10°-20°	4588.9	41.0
20°-30°	2428.4	21.7
30°-40°	599.5	5.4
40°-50°	146.2	1.3
50°-60°	38.5	0.3
60°-70°	12.9	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	10405.3	92.9
0°-40°	11004.8	98.2
0°-60°	11189.5	99.9
0°-90°	11202.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11202.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	42489	
5°	39423	###
15°	16059	4589
25°	5145	2428
35°	806	599
45°	189	146
55°	41	38
65°	14	13
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	42489.3
2.5°	41791.0
5°	39422.8
7.5°	34665.1
10°	27799.9
12.5°	21015.1
15°	16059.2
17.5°	12515.9
20°	9720.9
22.5°	7290.2
25°	5145.3
27.5°	3450.4
30°	2248.5
32.5°	1368.0
35°	805.5
37.5°	492.9
40°	341.1
42.5°	260.7
45°	189.3
47.5°	114.3
50°	71.4
52.5°	51.8
55°	41.1
57.5°	32.1
60°	25.0
62.5°	19.6
65°	14.3
67.5°	5.4
70°	1.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)