

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: P1316106

Luminaire Tested: LDSQA3D02R309740DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309740DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

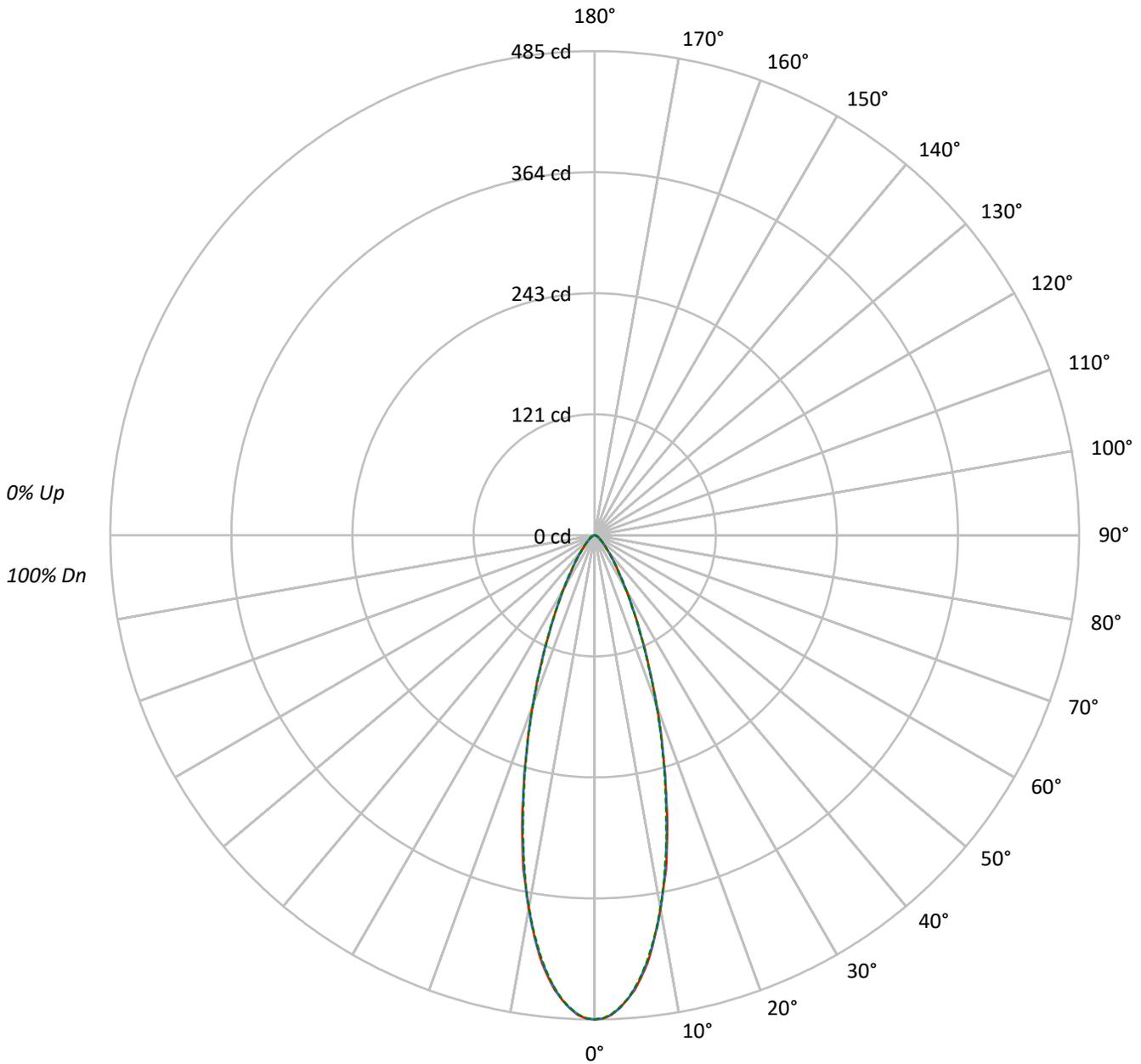
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 213.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

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Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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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	102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	96	99	96	93	96	93	91	93	91	90	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	89	86	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	85	82	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	74	71	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	83528	83528	83528
5°	79076	78885	78834
10°	66437	66437	66192
15°	49496	49371	49085
20°	33136	32953	32990
25°	20428	20371	20466
30°	12270	12270	12330
35°	7527	7527	7590
40°	4766	4766	4879
45°	3264	3337	3337
50°	2411	2411	2411
55°	1832	1922	1922
60°	1550	1550	1619
65°	1345	1345	1345
70°	1209	1309	1309
75°	1065	1065	1065
80°	893	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3337 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.1	19.3
10°-20°	75.9	35.6
20°-30°	50.5	23.7
30°-40°	23.3	11.0
40°-50°	10.8	5.1
50°-60°	5.8	2.7
60°-70°	3.4	1.6
70°-80°	1.8	0.8
80°-90°	0.4	0.2
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°	167.5	78.6
0°-40°	190.8	89.6
0°-60°	207.5	97.4
0°-90°	213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	213.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	485	485	485	485	485	
5°	457	456	456	457	456	41
15°	278	279	277	277	275	76
25°	108	107	107	107	108	51
35°	36	36	36	36	36	23
45°	13	13	14	14	14	11
55°	6	6	6	6	6	6
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	485.0	485.0	485.0	485.0	485.0
1°	484.1	483.6	484.1	484.8	483.8
2°	480.8	480.3	480.3	481.2	480.3
3°	474.4	474.9	474.6	475.6	473.9
4°	466.4	466.1	467.1	467.6	466.1
5°	457.4	456.5	456.3	457.4	456.0
6°	445.2	444.5	444.0	445.4	443.5
7°	432.0	431.5	430.8	431.3	429.9
8°	415.7	415.5	415.0	415.5	413.8
9°	397.6	397.6	398.5	398.3	397.3
10°	379.9	380.4	379.9	380.4	378.5
11°	360.1	360.1	360.6	360.3	360.6
12°	342.9	341.0	340.5	340.1	338.7
13°	320.7	319.3	318.9	319.3	318.6
14°	300.5	299.5	297.2	297.6	296.7
15°	277.6	278.6	276.9	276.9	275.3
17.5°	226.9	226.0	226.5	226.7	226.0
20°	180.8	180.3	179.8	179.3	180.0
22.5°	140.5	140.7	140.2	139.8	139.3
25°	107.5	107.2	107.2	107.2	107.7
27.5°	81.5	81.5	81.5	81.8	81.8
30°	61.7	61.3	61.7	62.0	62.0
32.5°	46.2	46.7	46.9	46.9	46.9
35°	35.8	35.6	35.8	36.1	36.1
37.5°	27.3	27.3	27.6	27.6	27.8
40°	21.2	21.2	21.2	21.4	21.7
42.5°	16.7	16.7	17.0	17.0	17.2
45°	13.4	13.4	13.7	13.7	13.7
47.5°	10.8	10.8	11.1	11.1	11.1
50°	9.0	9.0	9.0	9.0	9.0
52.5°	7.5	7.3	7.5	7.5	7.5
55°	6.1	6.4	6.4	6.4	6.4
57.5°	5.2	5.4	5.4	5.4	5.4
60°	4.5	4.5	4.5	4.7	4.7
62.5°	3.8	4.0	4.0	4.0	4.0
65°	3.3	3.3	3.3	3.3	3.3
67.5°	2.8	2.8	2.8	2.8	3.1
70°	2.4	2.4	2.6	2.6	2.6
72.5°	2.1	2.1	2.1	2.1	2.1
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.2	1.2	1.4	1.4	1.2
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)