

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: P1311502

Luminaire Tested: LDSQA3D13R359040DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359040DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

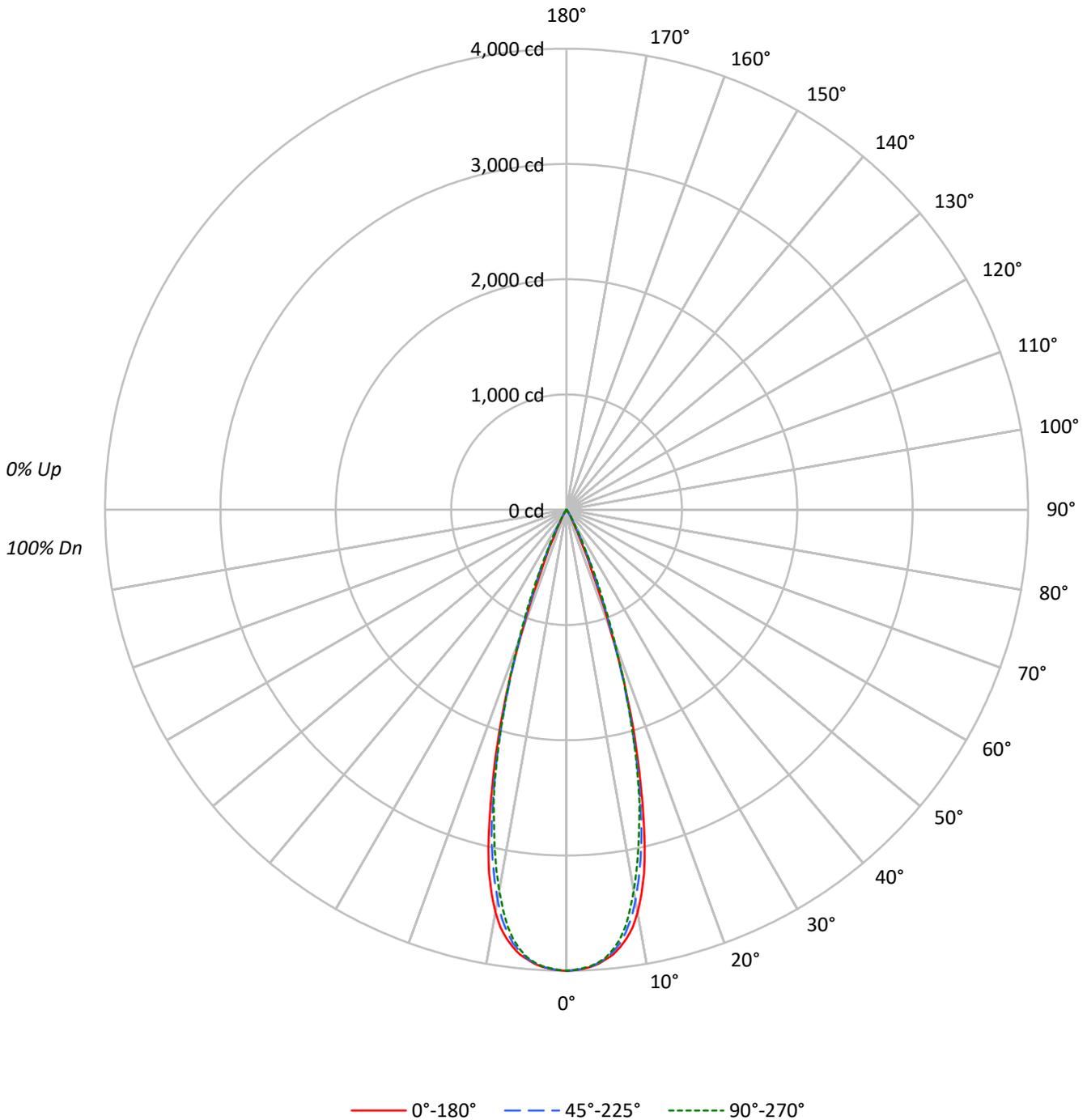
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1214.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

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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	100	100	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	93	93	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	90	90	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	87	87	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	85	85	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	82	82	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	80	80	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	77	77	77
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	75	75	75
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	73	73	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	688839	688839	688839
5°	677017	675565	674113
10°	620472	601813	587193
15°	444283	430126	424902
20°	206020	213113	220590
25°	48875	69550	72533
30°	14358	16426	18514
35°	3301	5277	4836
40°	697	1416	944
45°	244	244	244
50°	268	0	268
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 283 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.1	29.6
10°-20°	642.0	52.9
20°-30°	193.1	15.9
30°-40°	18.5	1.5
40°-50°	1.2	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1194.2	98.4
0°-40°	1212.7	99.9
0°-60°	1214.0	100.0
0°-90°	1214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1214.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4000	4000	4000	4000	4000	
5°	3916	3915	3908	3902	3899	363
15°	2492	2473	2412	2402	2383	658
25°	257	283	366	382	382	166
35°	16	21	25	27	23	14
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3999.7	3999.7	3999.7	3999.7	3999.7
1°	3997.6	3997.6	3995.5	3995.5	3991.3
2°	3988.2	3989.3	3985.1	3984.0	3980.9
3°	3973.6	3970.4	3970.4	3968.3	3966.2
4°	3950.6	3944.3	3942.2	3943.2	3939.1
5°	3916.1	3915.0	3907.7	3902.5	3899.3
6°	3878.4	3871.1	3855.4	3841.8	3838.7
7°	3821.9	3806.3	3792.7	3764.4	3760.3
8°	3752.9	3727.8	3698.6	3658.8	3656.7
9°	3668.2	3627.4	3586.7	3533.3	3514.5
10°	3548.0	3510.3	3441.3	3394.3	3357.7
11°	3398.4	3351.4	3270.9	3214.4	3184.1
12°	3229.0	3185.1	3091.0	3039.8	2996.9
13°	3011.5	2974.9	2887.1	2830.6	2797.2
14°	2759.5	2732.4	2648.7	2623.6	2612.1
15°	2491.8	2473.0	2412.4	2401.9	2383.1
17.5°	1834.1	1802.7	1768.2	1774.5	1780.8
20°	1124.1	1168.0	1162.8	1185.8	1203.6
22.5°	560.5	616.9	682.8	722.6	742.4
25°	257.2	283.4	366.0	381.7	381.7
27.5°	129.7	135.9	172.5	175.7	184.0
30°	72.2	77.4	82.6	92.0	93.1
32.5°	36.6	42.9	45.0	50.2	48.1
35°	15.7	20.9	25.1	27.2	23.0
37.5°	7.3	9.4	13.6	12.5	9.4
40°	3.1	4.2	6.3	5.2	4.2
42.5°	2.1	2.1	3.1	2.1	2.1
45°	1.0	1.0	1.0	1.0	1.0
47.5°	1.0	1.0	0.0	1.0	1.0
50°	1.0	0.0	0.0	0.0	1.0
52.5°	1.0	0.0	0.0	0.0	1.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)