

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: P1311742

Luminaire Tested: LDSQA3D20R159040D010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311742
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159040D010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

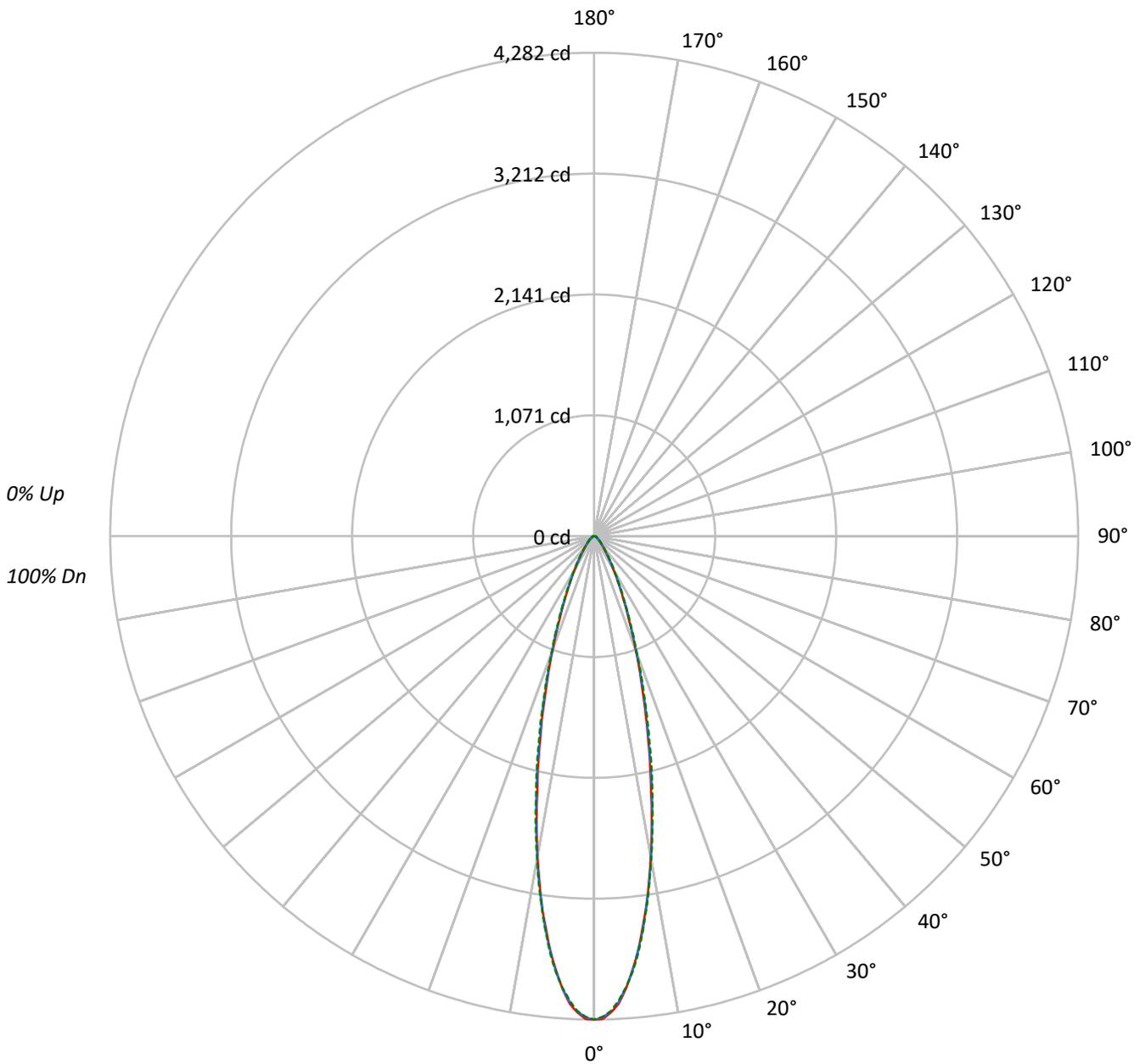
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1416.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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



— 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	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	737440	737440	737440
5°	667958	669220	670154
10°	504300	505576	508112
15°	327106	330671	337144
20°	196948	199275	201933
25°	115061	117474	119204
30°	67614	69782	70876
35°	41671	43205	43962
40°	27383	28215	28620
45°	19046	19485	19923
50°	14120	14602	15111
55°	11470	12010	12010
60°	10023	10023	10023
65°	8884	8884	8884
70°	7301	8258	8258
75°	7253	7253	7253
80°	5455	7240	7240
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 19923 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.3	23.8
10°-20°	515.7	36.4
20°-30°	293.1	20.7
30°-40°	133.7	9.4
40°-50°	64.1	4.5
50°-60°	35.9	2.5
60°-70°	22.0	1.6
70°-80°	11.7	0.8
80°-90°	2.5	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°	1146.1	80.9
0°-40°	1279.9	90.4
0°-60°	1379.9	97.4
0°-90°	1416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1416.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4282	4282	4282	4282	4282	
5°	3864	3862	3871	3871	3876	337
15°	1835	1844	1855	1880	1891	509
25°	606	606	618	624	627	287
35°	198	202	206	209	209	130
45°	78	78	80	82	82	62
55°	38	38	40	40	40	35
65°	22	22	22	22	22	22
75°	11	11	11	11	11	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4281.9	4281.9	4281.9	4281.9	4281.9
1°	4278.3	4267.3	4263.7	4261.9	4258.3
2°	4223.7	4214.6	4212.8	4212.8	4211.0
3°	4147.3	4131.0	4132.8	4127.3	4121.9
4°	4018.3	4011.0	4014.6	4018.3	4011.0
5°	3863.7	3861.9	3871.0	3871.0	3876.4
6°	3703.7	3701.9	3696.4	3711.0	3718.2
7°	3500.1	3511.0	3525.5	3518.2	3523.7
8°	3314.6	3301.9	3307.3	3325.5	3327.3
9°	3096.4	3087.3	3111.0	3118.2	3120.1
10°	2883.7	2892.8	2891.0	2916.4	2905.5
12.5°	2329.1	2343.7	2360.0	2370.9	2381.9
15°	1834.6	1843.7	1854.6	1880.0	1890.9
17.5°	1410.9	1421.8	1432.8	1454.6	1458.2
20°	1074.6	1080.0	1087.3	1107.3	1101.8
22.5°	803.7	812.7	820.0	829.1	834.6
25°	605.5	605.5	618.2	623.6	627.3
27.5°	450.9	454.6	463.6	470.9	469.1
30°	340.0	345.5	350.9	354.6	356.4
32.5°	261.8	261.8	267.3	272.7	274.6
35°	198.2	201.8	205.5	209.1	209.1
37.5°	154.5	156.4	160.0	161.8	161.8
40°	121.8	121.8	125.5	127.3	127.3
42.5°	96.4	98.2	100.0	101.8	101.8
45°	78.2	78.2	80.0	81.8	81.8
47.5°	63.6	63.6	65.5	67.3	67.3
50°	52.7	54.5	54.5	56.4	56.4
52.5°	45.5	45.5	45.5	47.3	47.3
55°	38.2	38.2	40.0	40.0	40.0
57.5°	32.7	32.7	32.7	34.5	34.5
60°	29.1	29.1	29.1	29.1	29.1
62.5°	25.5	25.5	25.5	25.5	25.5
65°	21.8	21.8	21.8	21.8	21.8
67.5°	18.2	18.2	18.2	20.0	20.0
70°	14.5	16.4	16.4	16.4	16.4
72.5°	12.7	12.7	12.7	12.7	12.7
75°	10.9	10.9	10.9	10.9	10.9
77.5°	9.1	9.1	9.1	9.1	9.1
80°	5.5	7.3	7.3	7.3	7.3
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)