

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: P1311737

Luminaire Tested: LDSQA3D20R159040D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311737
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159040D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

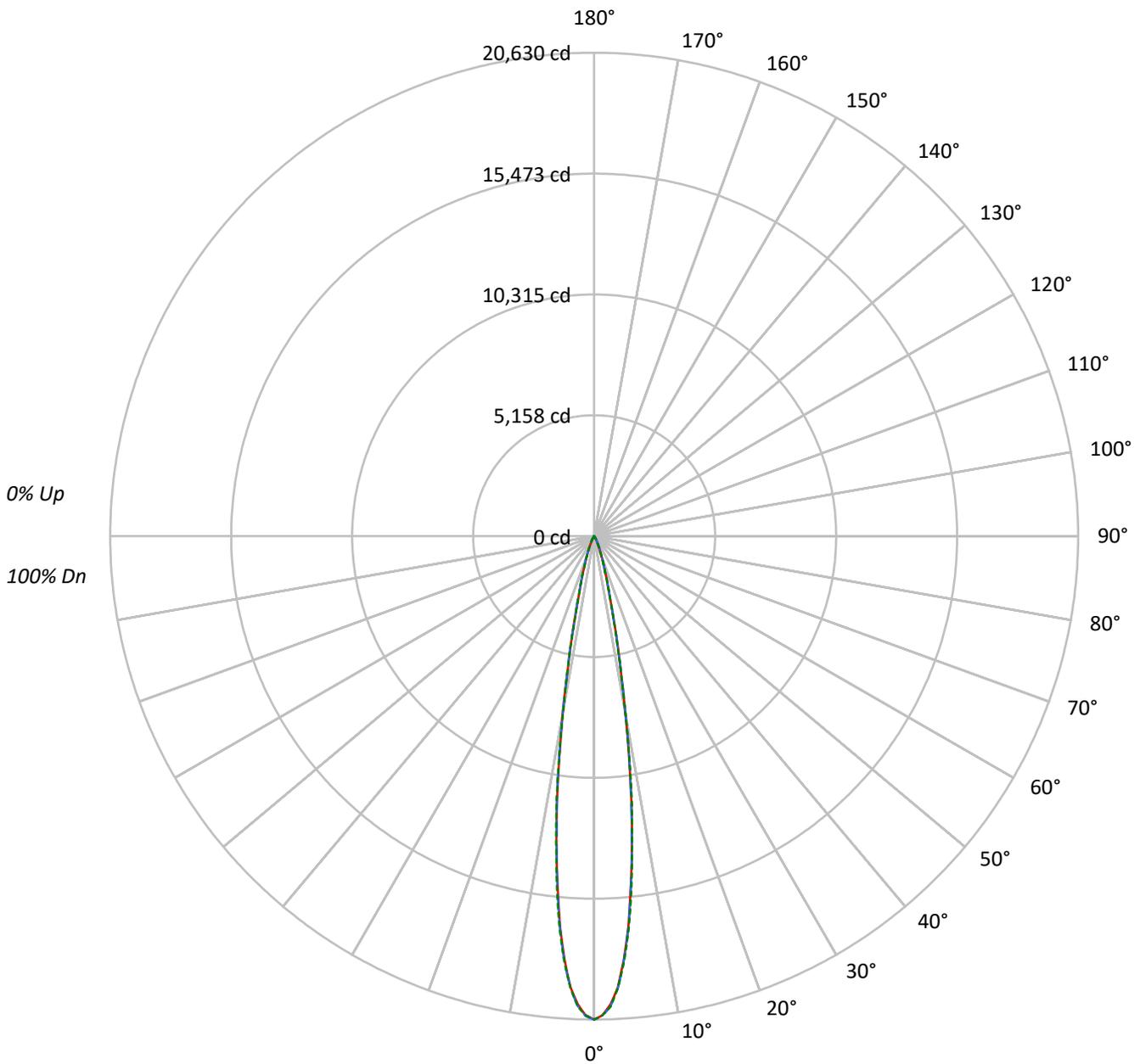
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2315.9 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	97	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3553022	3553022	3553022
5°	2889110	2899171	2909233
10°	1345505	1346764	1339454
15°	416308	431214	423119
20°	165974	175303	163977
25°	69455	81901	65996
30°	28199	37605	26032
35°	9167	17198	8410
40°	3260	6947	3260
45°	1340	2216	1340
50°	965	1474	965
55°	1081	1081	1081
60°	1240	1240	1240
65°	734	734	734
70°	906	906	906
75°	1198	1198	1198
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2216 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1291.3	55.8
10°-20°	772.1	33.3
20°-30°	196.5	8.5
30°-40°	42.7	1.8
40°-50°	6.9	0.3
50°-60°	3.3	0.1
60°-70°	2.0	0.1
70°-80°	1.2	0.1
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°	2259.9	97.6
0°-40°	2302.6	99.4
0°-60°	2312.8	99.9
0°-90°	2315.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2315.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20630	20630	20630	20630	20630	
5°	16712	16735	16770	16693	16828	1289
15°	2335	2400	2418	2384	2373	769
25°	366	391	431	382	347	186
35°	44	56	82	55	40	34
45°	6	7	9	7	6	5
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
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°	20630.4	20630.4	20630.4	20630.4	20630.4
1°	20450.3	20484.9	20490.3	20484.9	20455.8
2°	19990.3	20092.1	20070.3	20026.6	20088.5
3°	19279.2	19330.2	19322.9	19326.5	19312.0
4°	18122.7	18211.8	18160.9	18199.1	18202.7
5°	16711.6	16735.2	16769.8	16693.4	16828.0
6°	14975.0	15125.9	14993.1	15124.1	15176.8
7°	13209.2	13296.5	13127.4	13218.3	13272.9
8°	11403.5	11250.8	11343.5	11345.3	11525.4
9°	9454.1	9485.1	9563.2	9474.1	9552.3
10°	7693.9	7764.8	7701.1	7670.2	7659.3
11°	6075.5	6155.5	6150.0	6159.1	6099.1
12°	4888.0	4846.2	4873.5	4784.4	4824.4
13°	3804.2	3806.0	3784.2	3747.8	3715.1
14°	2980.4	2962.3	3013.2	2967.7	2925.9
15°	2334.9	2400.4	2418.5	2384.0	2373.1
17.5°	1440.2	1442.0	1467.5	1434.8	1431.1
20°	905.6	927.4	956.5	922.0	894.7
22.5°	572.8	592.8	638.3	594.6	556.4
25°	365.5	391.0	431.0	381.9	347.3
27.5°	229.1	252.8	291.0	245.5	220.0
30°	141.8	158.2	189.1	154.6	130.9
32.5°	81.8	98.2	123.7	92.7	78.2
35°	43.6	56.4	81.8	54.6	40.0
37.5°	25.5	32.7	52.7	29.1	23.6
40°	14.5	20.0	30.9	18.2	14.5
42.5°	9.1	12.7	14.5	10.9	7.3
45°	5.5	7.3	9.1	7.3	5.5
47.5°	3.6	5.5	7.3	3.6	3.6
50°	3.6	3.6	5.5	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6
62.5°	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
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)