

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: P1319782

Luminaire Tested: LDSQA3D05R209840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

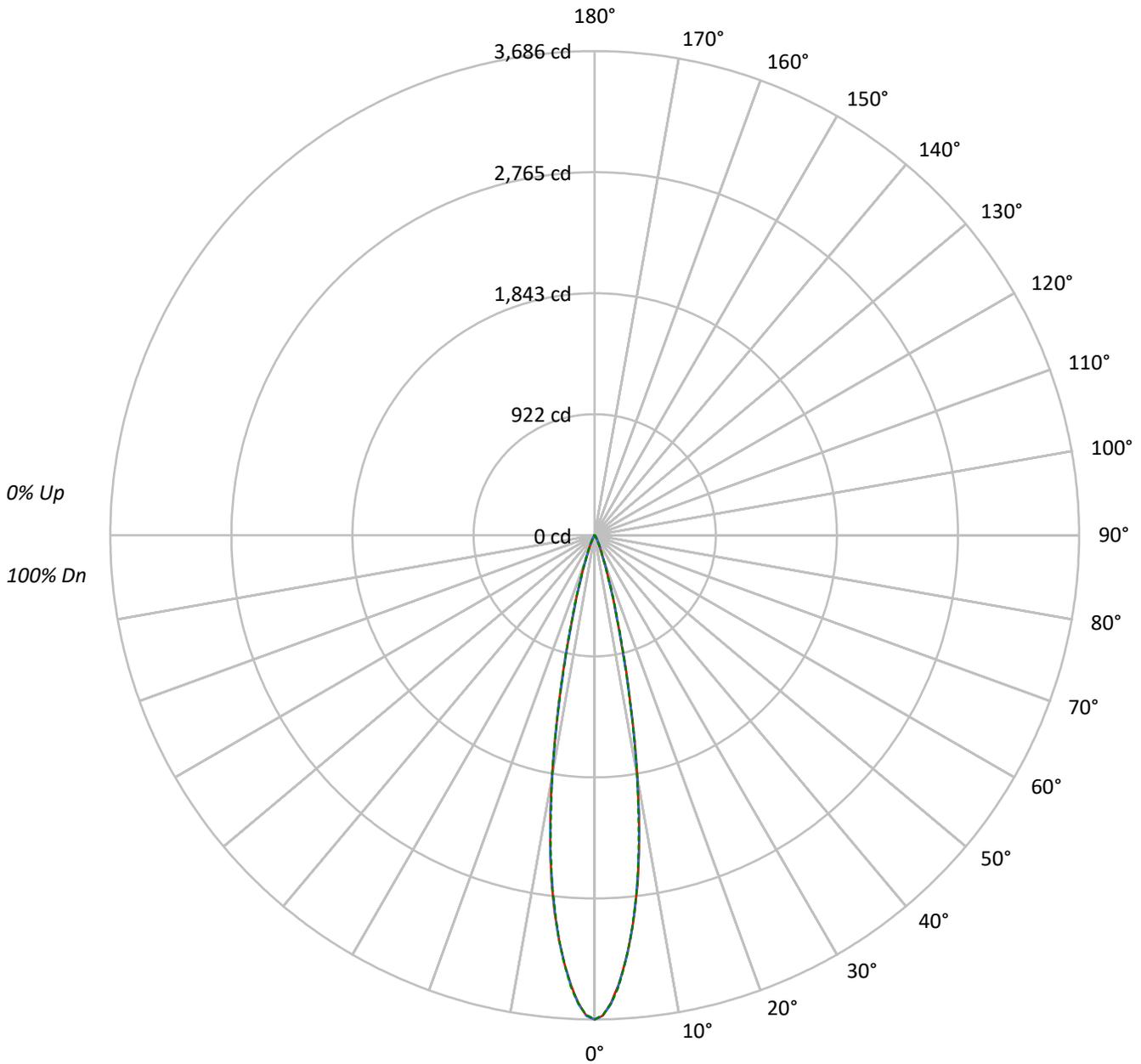
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 508.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	634864	634864	634864
5°	535100	535307	535031
10°	326080	324559	325328
15°	114860	115341	118925
20°	36087	37095	36307
25°	13511	14784	13891
30°	5230	7418	5469
35°	1976	3301	2144
40°	1057	1416	1057
45°	390	682	487
50°	214	322	214
55°	240	240	240
60°	138	138	138
65°	163	163	163
70°	201	201	201
75°	0	0	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 682 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.9	50.4
10°-20°	200.7	39.5
20°-30°	39.4	7.8
30°-40°	8.8	1.7
40°-50°	2.0	0.4
50°-60°	0.6	0.1
60°-70°	0.4	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°	496.0	97.6
0°-40°	504.8	99.4
0°-60°	507.5	99.9
0°-90°	508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	508.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3686	3686	3686	3686	3686	
5°	3095	3098	3096	3107	3095	256
15°	644	647	647	661	667	200
25°	71	76	78	77	73	37
35°	9	11	16	11	10	7
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
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°	3686.3	3686.3	3686.3	3686.3	3686.3
1°	3656.5	3648.6	3657.7	3650.6	3652.1
2°	3561.8	3557.4	3569.2	3561.8	3565.7
3°	3430.1	3424.6	3433.2	3433.6	3444.6
4°	3272.9	3262.3	3275.2	3275.6	3277.6
5°	3095.2	3098.0	3096.4	3107.0	3094.8
6°	2895.5	2904.6	2892.8	2898.7	2881.8
7°	2672.3	2660.9	2655.0	2657.0	2668.8
8°	2425.9	2418.0	2426.6	2414.5	2406.2
9°	2151.9	2138.2	2147.6	2135.8	2124.0
10°	1864.6	1858.3	1855.9	1842.6	1860.3
11°	1576.5	1557.6	1567.1	1560.4	1579.6
12°	1306.9	1308.4	1290.0	1295.9	1298.2
13°	1063.6	1038.4	1041.6	1057.7	1060.4
14°	825.0	828.5	829.7	841.1	847.8
15°	644.2	646.9	646.9	661.1	667.0
17.5°	345.5	345.5	353.0	354.5	355.3
20°	196.9	198.1	202.4	202.0	198.1
22.5°	117.9	120.3	122.6	120.3	117.9
25°	71.1	75.9	77.8	76.6	73.1
27.5°	42.4	47.6	53.1	48.7	42.1
30°	26.3	29.1	37.3	29.9	27.5
32.5°	14.5	18.9	25.5	19.7	14.9
35°	9.4	11.4	15.7	11.4	10.2
37.5°	6.7	7.9	9.8	8.3	7.1
40°	4.7	5.5	6.3	5.9	4.7
42.5°	3.1	3.9	4.3	3.9	3.1
45°	1.6	2.4	2.8	2.4	2.0
47.5°	0.8	1.2	2.0	1.2	0.8
50°	0.8	0.8	1.2	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.4	0.8	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.4
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)