

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: P1312229

Luminaire Tested: LDSQA3D05R259050DE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259050DE010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

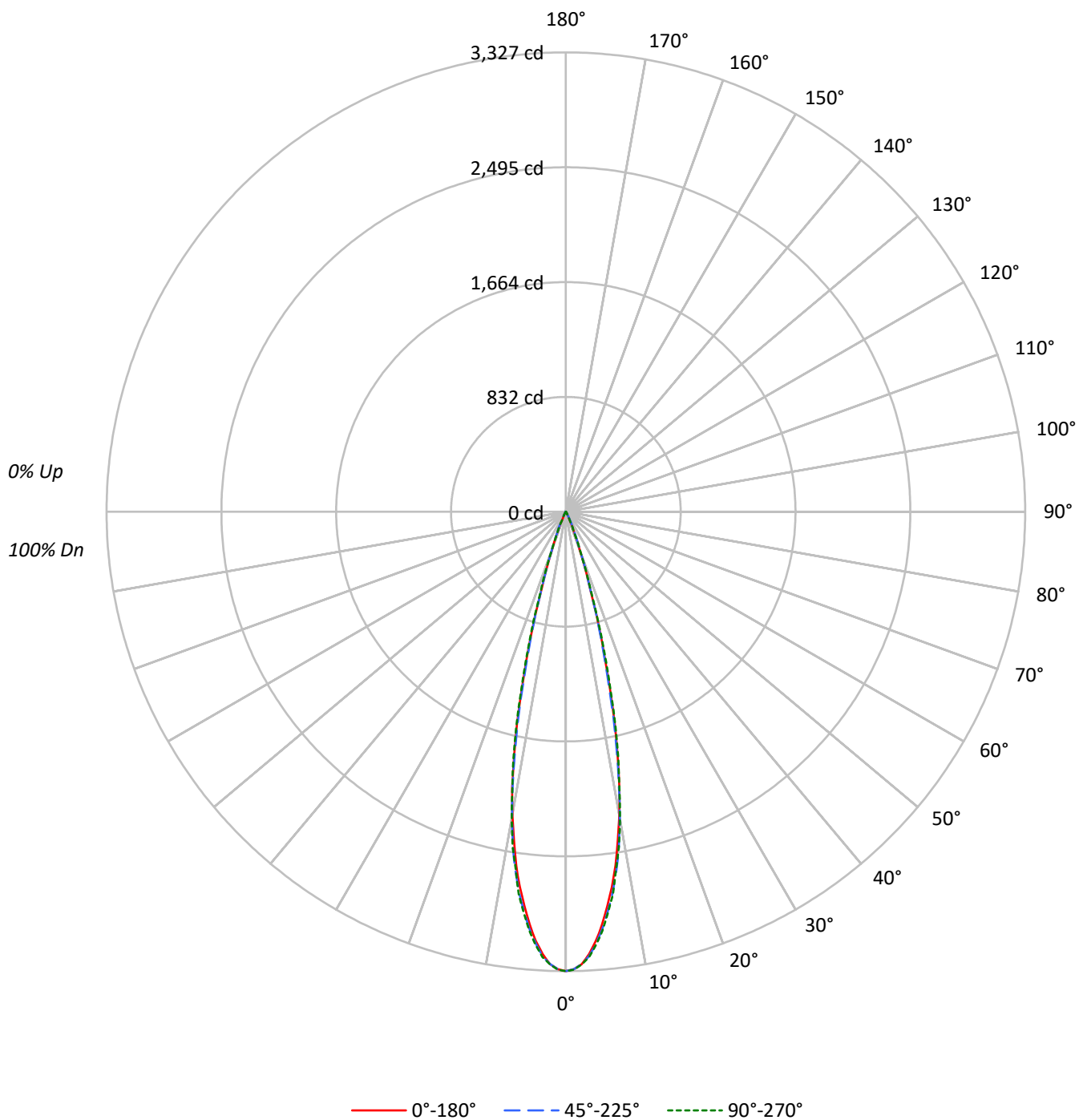
Lumens per Lamp: N/A
Luminaire Lumens: 614.0 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P1312229

CATALOG NUMBER: LDSQA3D05R259050DE010 3LSQPHR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312229

CATALOG NUMBER: LDSQA3D05R259050DE010 3LSQPHR1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					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	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	572985	572985	572985
5°	519229	523966	526525
10°	390331	393112	394930
15°	193275	187516	200015
20°	54579	55496	56082
25°	9463	17901	11231
30°	3699	3818	3918
35°	1156	1261	1261
40°	360	495	360
45°	268	122	268
50°	134	0	134
55°	150	0	150
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: 45°

Luminance: 268 cd/sqm

TEST NUMBER: P1312229

CATALOG NUMBER: LDSQA3D05R259050DE010 3LSQPHR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.3	43.0
10°-20°	298.1	48.5
20°-30°	46.2	7.5
30°-40°	4.7	0.8
40°-50°	0.6	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°	608.6	99.1
0°-40°	613.3	99.9
0°-60°	614.0	100.0
0°-90°	614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3327	3327	3327	3327	3327	
5°	3003	3009	3031	3043	3046	262
15°	1084	1076	1052	1099	1122	297
25°	50	74	94	72	59	42
35°	6	6	6	7	6	4
45°	1	0	0	0	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	

TEST NUMBER: P1312229

CATALOG NUMBER: LDSQA3D05R259050DE010 3LSQPHR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3327.0	3327.0	3327.0	3327.0	3327.0
1°	3313.3	3317.7	3312.7	3318.2	3317.7
2°	3278.8	3283.2	3277.2	3280.4	3280.4
3°	3208.2	3217.5	3223.0	3226.8	3230.1
4°	3115.1	3125.5	3133.7	3143.6	3143.6
5°	3003.4	3008.9	3030.8	3042.8	3045.6
6°	2870.4	2892.3	2908.7	2932.8	2918.0
7°	2737.3	2755.4	2778.4	2782.2	2792.6
8°	2586.2	2605.4	2626.8	2622.9	2614.2
9°	2402.3	2430.2	2455.4	2447.2	2458.1
10°	2232.0	2249.0	2247.9	2239.7	2258.3
11°	2034.4	2038.2	2016.9	2050.3	2030.0
12°	1800.1	1803.4	1776.0	1808.8	1829.6
13°	1575.6	1568.0	1530.2	1573.4	1599.7
14°	1317.2	1319.9	1271.8	1355.5	1349.0
15°	1084.0	1076.3	1051.7	1098.8	1121.8
17.5°	577.6	582.5	576.5	600.0	614.8
20°	297.8	306.0	302.8	312.6	306.0
22.5°	154.4	165.9	169.2	161.5	140.7
25°	49.8	73.9	94.2	71.7	59.1
27.5°	30.1	29.6	46.0	31.8	32.3
30°	18.6	18.1	19.2	19.2	19.7
32.5°	10.4	10.9	10.4	11.5	10.9
35°	5.5	6.0	6.0	6.6	6.0
37.5°	3.3	3.8	3.8	3.8	3.3
40°	1.6	2.2	2.2	1.6	1.6
42.5°	1.1	1.1	1.1	1.1	1.1
45°	1.1	0.5	0.5	0.5	1.1
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.5	0.0	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
55°	0.5	0.0	0.0	0.0	0.5
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



TEST NUMBER: P1312229

CATALOG NUMBER: LDSQA3D05R259050DE010 3LSQPHR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)