

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: P1307787

Luminaire Tested: LDSQA3D05R259027DE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307787
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: LDSQA3D05R259027DE010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

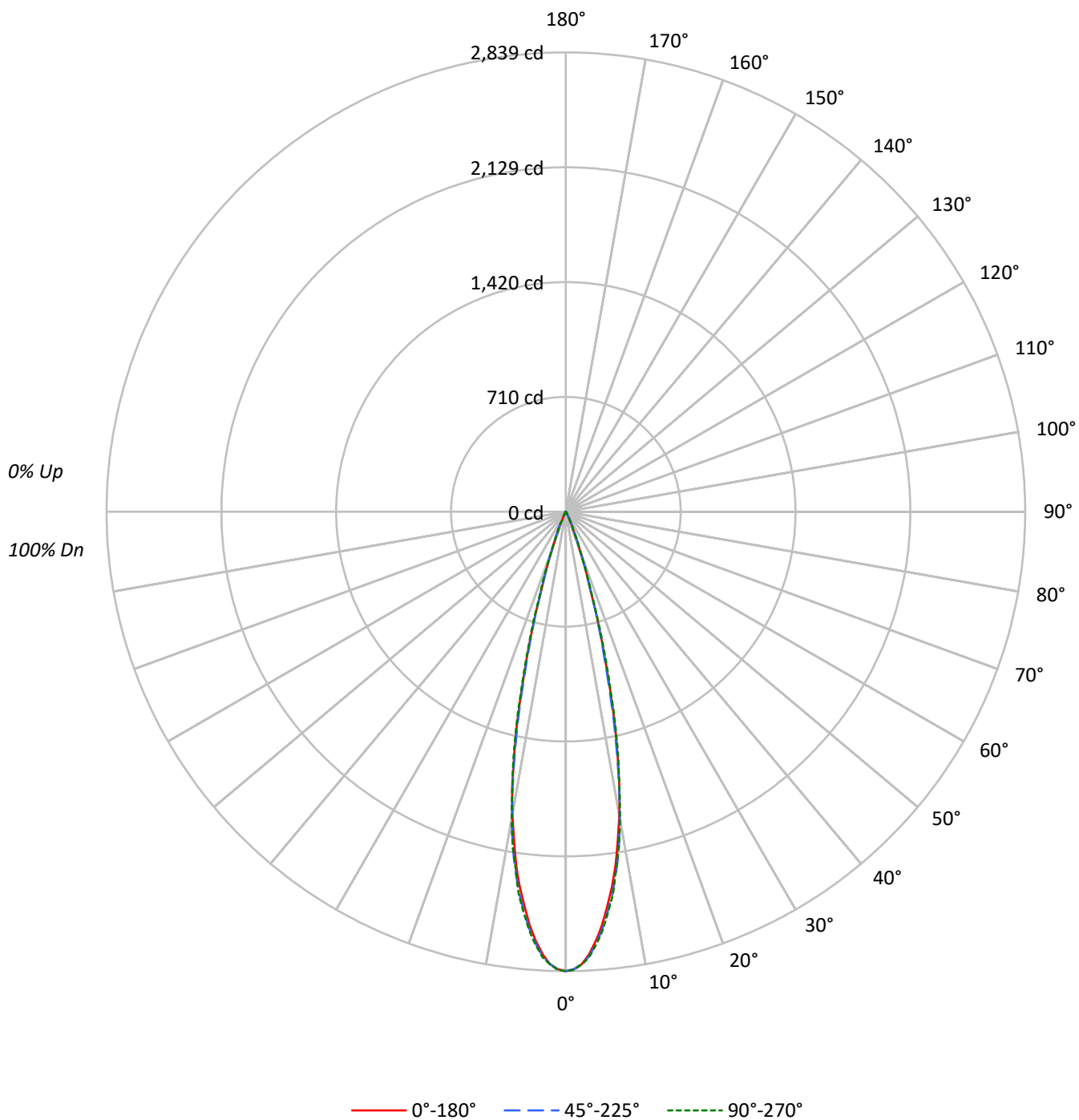
Lumens per Lamp: N/A
Luminaire Lumens: 524.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307787

CATALOG NUMBER: LDSQA3D05R259027DE010 3LSQPHR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1307787

CATALOG NUMBER: LDSQA3D05R259027DE010 3LSQPHR1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	488992	488992	488992
5°	443127	447155	449351
10°	333128	335489	337045
15°	164943	160022	170685
20°	46589	47358	47872
25°	8076	15278	9596
30°	3162	3261	3341
35°	988	1072	1072
40°	315	427	315
45°	219	122	219
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: 219 cd/sqm

TEST NUMBER: P1307787

CATALOG NUMBER: LDSQA3D05R259027DE010 3LSQPHR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.6	43.0
10°-20°	254.4	48.5
20°-30°	39.5	7.5
30°-40°	4.0	0.8
40°-50°	0.5	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°	519.4	99.1
0°-40°	523.4	99.9
0°-60°	524.0	100.0
0°-90°	524.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	524.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2839	2839	2839	2839	2839	
5°	2563	2568	2586	2597	2599	223
15°	925	919	898	938	957	253
25°	42	63	80	61	50	36
35°	5	5	5	6	5	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: P1307787

CATALOG NUMBER: LDSQA3D05R259027DE010 3LSQPHR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2839.3	2839.3	2839.3	2839.3	2839.3
1°	2827.6	2831.4	2827.2	2831.8	2831.4
2°	2798.2	2801.9	2796.8	2799.6	2799.6
3°	2737.9	2745.9	2750.5	2753.8	2756.6
4°	2658.5	2667.4	2674.4	2682.8	2682.8
5°	2563.2	2567.8	2586.5	2596.8	2599.2
6°	2449.6	2468.3	2482.3	2502.9	2490.3
7°	2336.1	2351.5	2371.1	2374.4	2383.3
8°	2207.2	2223.5	2241.7	2238.5	2231.0
9°	2050.2	2074.0	2095.5	2088.5	2097.8
10°	1904.9	1919.3	1918.4	1911.4	1927.3
11°	1736.2	1739.5	1721.2	1749.7	1732.5
12°	1536.2	1539.0	1515.7	1543.7	1561.5
13°	1344.7	1338.1	1305.9	1342.8	1365.2
14°	1124.1	1126.5	1085.4	1156.8	1151.2
15°	925.1	918.6	897.5	937.7	957.3
17.5°	492.9	497.1	492.0	512.1	524.7
20°	254.2	261.2	258.4	266.8	261.2
22.5°	131.8	141.6	144.4	137.8	120.1
25°	42.5	63.1	80.4	61.2	50.5
27.5°	25.7	25.2	39.2	27.1	27.6
30°	15.9	15.4	16.4	16.4	16.8
32.5°	8.9	9.3	8.9	9.8	9.3
35°	4.7	5.1	5.1	5.6	5.1
37.5°	2.8	3.3	3.3	3.3	2.8
40°	1.4	1.9	1.9	1.4	1.4
42.5°	0.9	0.9	0.9	0.9	0.9
45°	0.9	0.5	0.5	0.5	0.9
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: P1307787

CATALOG NUMBER: LDSQA3D05R259027DE010 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)