

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: P1318050

Luminaire Tested: LDSQA3D05R259830DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318050
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: LDSQA3D05R259830DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

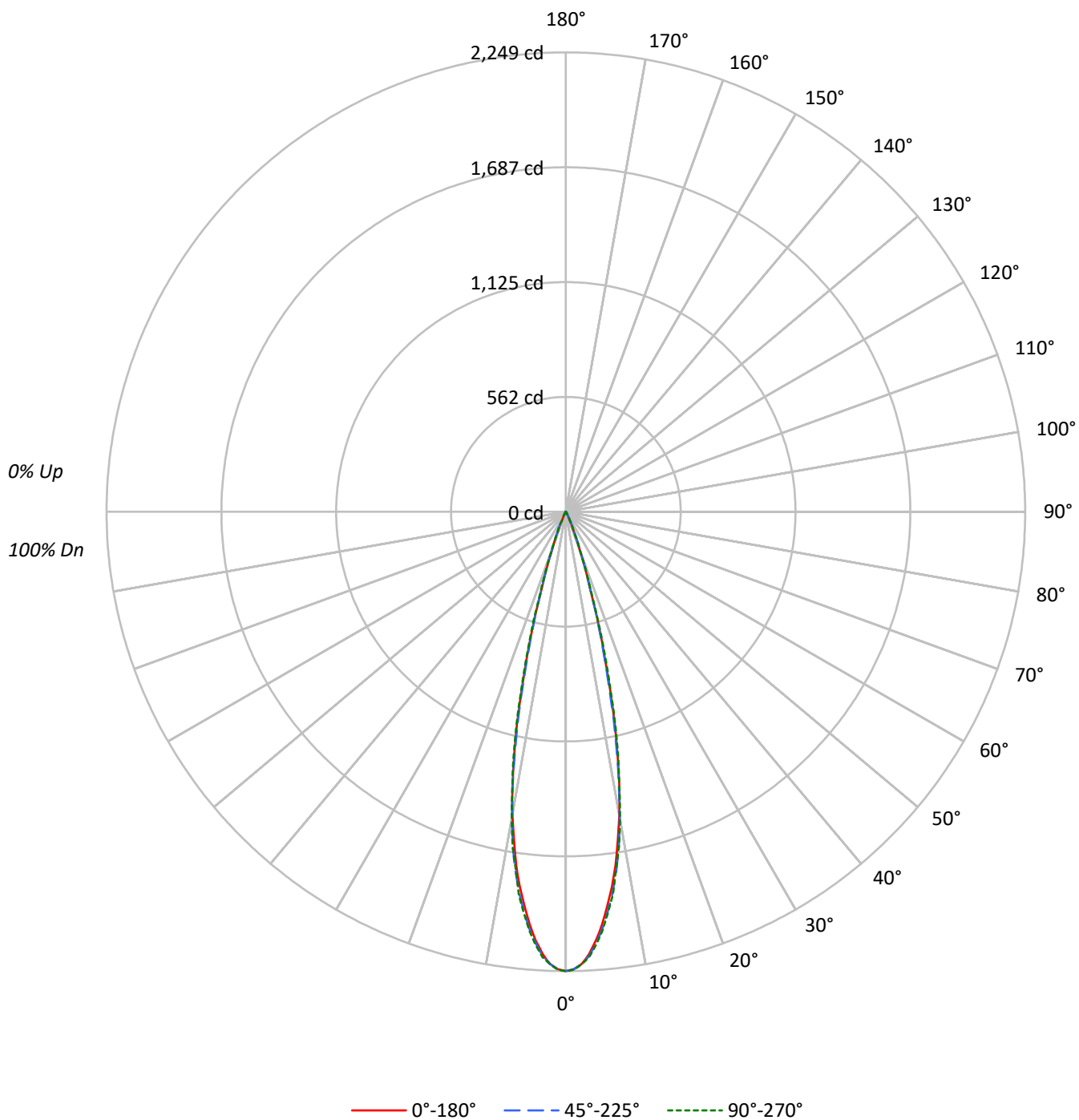
Lumens per Lamp: N/A
Luminaire Lumens: 415.0 lumens
Efficiency: N/A
Efficacy: 57.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1318050

CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHR1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1318050

CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHR1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	387277	387277	387277
5°	350947	354146	355875
10°	263823	265712	266936
15°	130639	126734	135186
20°	36893	37498	37901
25°	6404	12086	7601
30°	2506	2585	2645
35°	778	862	862
40°	247	337	247
45°	170	97	170
50°	107	0	107
55°	120	0	120
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: 170 cd/sqm

TEST NUMBER: P1318050

CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	43.0
10°-20°	201.5	48.5
20°-30°	31.3	7.5
30°-40°	3.2	0.8
40°-50°	0.4	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°	411.3	99.1
0°-40°	414.5	99.9
0°-60°	415.0	100.0
0°-90°	415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	415.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2249	2249	2249	2249	2249	
5°	2030	2034	2048	2057	2058	177
15°	733	728	711	743	758	201
25°	34	50	64	48	40	28
35°	4	4	4	4	4	3
45°	1	0	0	0	1	0
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: P1318050

CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2248.7	2248.7	2248.7	2248.7	2248.7
1°	2239.4	2242.4	2239.1	2242.8	2242.4
2°	2216.1	2219.1	2215.0	2217.2	2217.2
3°	2168.4	2174.7	2178.4	2181.0	2183.2
4°	2105.5	2112.5	2118.1	2124.7	2124.7
5°	2030.0	2033.7	2048.5	2056.6	2058.5
6°	1940.1	1954.9	1966.0	1982.3	1972.3
7°	1850.2	1862.4	1877.9	1880.5	1887.5
8°	1748.0	1761.0	1775.4	1772.8	1766.9
9°	1623.7	1642.6	1659.6	1654.0	1661.4
10°	1508.6	1520.1	1519.4	1513.8	1526.4
11°	1375.0	1377.6	1363.2	1385.8	1372.1
12°	1216.7	1218.9	1200.4	1222.6	1236.6
13°	1065.0	1059.8	1034.2	1063.5	1081.2
14°	890.3	892.1	859.6	916.2	911.8
15°	732.7	727.5	710.8	742.7	758.2
17.5°	390.4	393.7	389.6	405.6	415.5
20°	201.3	206.8	204.6	211.3	206.8
22.5°	104.3	112.1	114.3	109.2	95.1
25°	33.7	50.0	63.6	48.5	40.0
27.5°	20.4	20.0	31.1	21.5	21.8
30°	12.6	12.2	13.0	13.0	13.3
32.5°	7.0	7.4	7.0	7.8	7.4
35°	3.7	4.1	4.1	4.4	4.1
37.5°	2.2	2.6	2.6	2.6	2.2
40°	1.1	1.5	1.5	1.1	1.1
42.5°	0.7	0.7	0.7	0.7	0.7
45°	0.7	0.4	0.4	0.4	0.7
47.5°	0.4	0.4	0.0	0.4	0.4
50°	0.4	0.4	0.0	0.4	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
55°	0.4	0.0	0.0	0.0	0.4
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: P1318050

CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)