

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: P1312865

Luminaire Tested: LDSQA3D20R309050D010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309050D010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

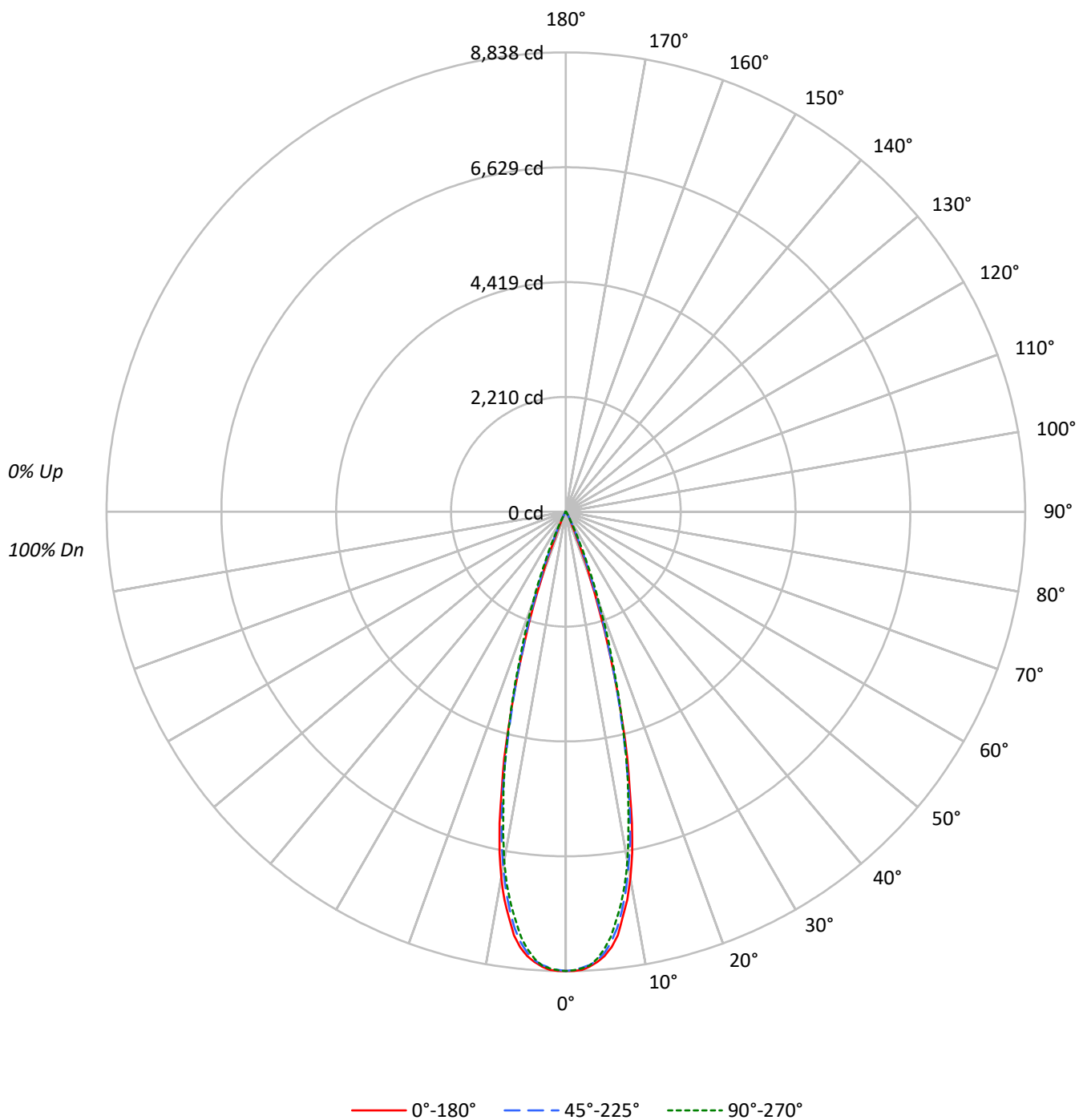
Lumens per Lamp: N/A
Luminaire Lumens: 2141.0 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (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

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Luminous Intensity Polar Plot



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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	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1521759	1521759	1521759
5°	1482571	1472371	1460235
10°	1251158	1212754	1193063
15°	753987	732930	746409
20°	255743	295330	340673
25°	46994	73654	86994
30°	16148	17977	20185
35°	4646	5824	6202
40°	1237	2068	1664
45°	438	438	438
50°	482	0	482
55°	0	0	0
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: 52.5°

Luminance: 509 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	764.1	35.7
10°-20°	1116.7	52.2
20°-30°	236.3	11.0
30°-40°	21.8	1.0
40°-50°	2.1	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°	2117.0	98.9
0°-40°	2138.7	99.9
0°-60°	2141.0	100.0
0°-90°	2141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2141.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8836	8836	8836	8836	8836	
5°	8576	8559	8517	8491	8446	774
15°	4229	4214	4111	4207	4186	1115
25°	247	277	388	456	458	180
35°	22	28	28	33	30	18
45°	2	2	2	2	2	2
55°	0	0	0	0	0	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8836.0	8836.0	8836.0	8836.0	8836.0
1°	8837.8	8828.6	8815.7	8834.1	8821.2
2°	8819.4	8797.2	8778.8	8797.2	8791.7
3°	8764.0	8745.5	8732.6	8741.9	8741.9
4°	8680.9	8660.6	8649.6	8651.4	8623.7
5°	8575.7	8559.1	8516.7	8490.8	8446.5
6°	8420.7	8380.1	8328.4	8285.9	8228.7
7°	8210.3	8147.5	8073.7	7999.8	7927.8
8°	7872.5	7842.9	7743.3	7693.4	7621.4
9°	7555.0	7483.0	7375.9	7294.7	7256.0
10°	7154.4	7047.4	6934.8	6870.2	6822.2
11°	6680.1	6571.2	6480.7	6386.6	6312.7
12°	6122.6	6030.3	5927.0	5864.2	5777.5
13°	5461.8	5448.9	5332.6	5312.3	5301.2
14°	4895.1	4843.5	4729.0	4760.4	4767.8
15°	4228.8	4214.0	4110.7	4206.6	4186.3
17.5°	2648.8	2654.3	2718.9	2870.3	2918.3
20°	1395.4	1437.9	1611.4	1794.1	1858.8
22.5°	564.8	659.0	836.2	959.8	1042.9
25°	247.3	276.9	387.6	455.9	457.8
27.5°	140.3	142.1	186.4	193.8	197.5
30°	81.2	83.1	90.4	96.0	101.5
32.5°	44.3	48.0	49.8	57.2	57.2
35°	22.1	27.7	27.7	33.2	29.5
37.5°	12.9	14.8	16.6	16.6	14.8
40°	5.5	7.4	9.2	9.2	7.4
42.5°	1.8	3.7	3.7	3.7	5.5
45°	1.8	1.8	1.8	1.8	1.8
47.5°	1.8	1.8	0.0	1.8	1.8
50°	1.8	0.0	0.0	0.0	1.8
52.5°	1.8	0.0	0.0	0.0	1.8
55°	0.0	0.0	0.0	0.0	0.0
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



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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)