

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: P1319109

Luminaire Tested: LDSQA3D09R359835DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359835DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

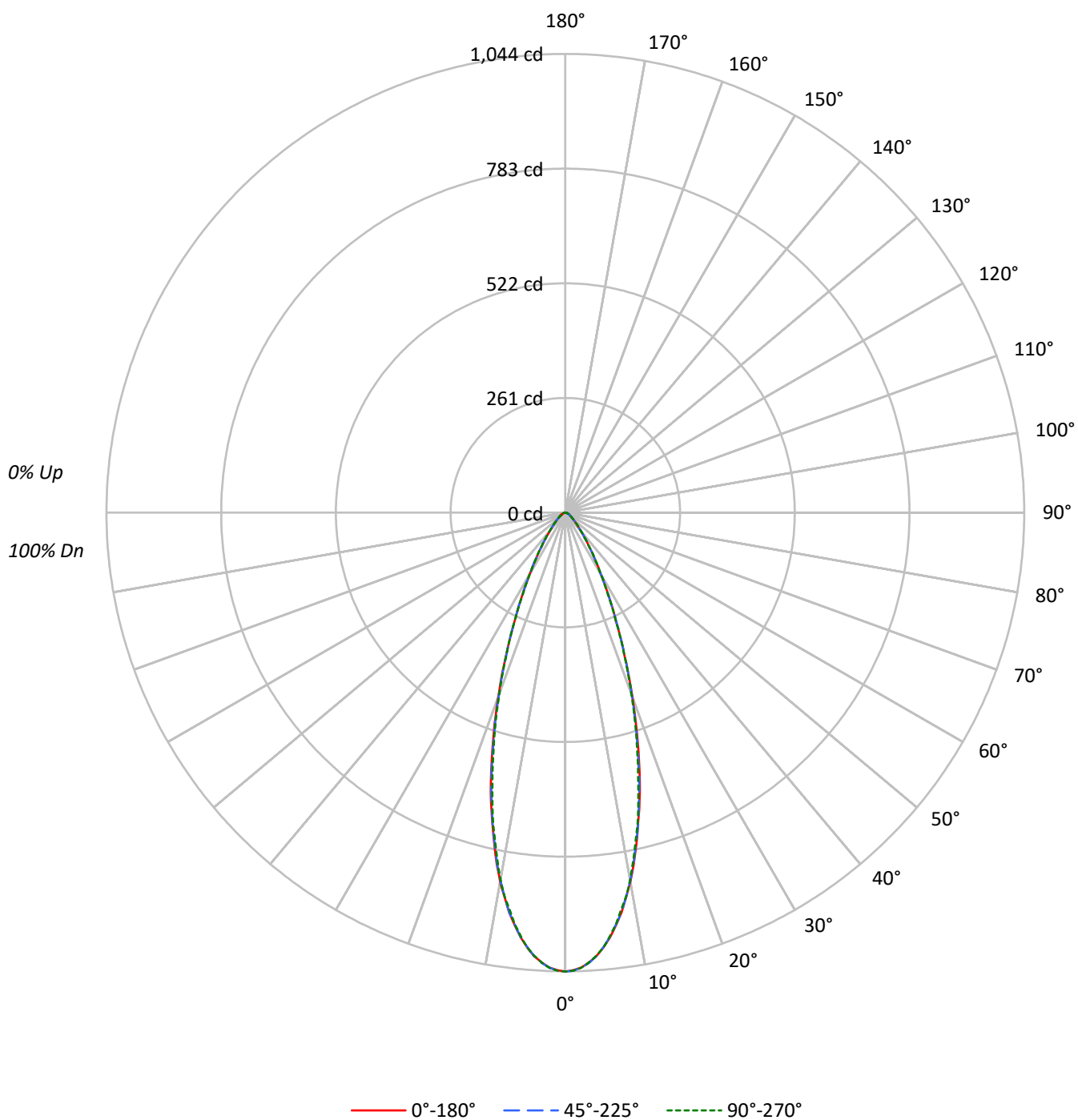
Lumens per Lamp: N/A
Luminaire Lumens: 515.0 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	179852	179852	179852
5°	171843	171549	171843
10°	149190	148683	148490
15°	116910	115983	114164
20°	81778	81044	80531
25°	51934	52257	51934
30°	31997	32236	31997
35°	19805	19910	19910
40°	12567	12702	12702
45°	8476	8622	8744
50°	6109	6270	6270
55°	4804	4804	4804
60°	3927	3927	3927
65°	3505	3505	3505
70°	3172	3172	3172
75°	2662	2662	2662
80°	2281	2281	2281
85°	1186	1186	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 8744 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	17.5
10°-20°	177.7	34.5
20°-30°	128.2	24.9
30°-40°	61.8	12.0
40°-50°	28.5	5.5
50°-60°	14.7	2.9
60°-70°	8.5	1.7
70°-80°	4.3	0.8
80°-90°	1.0	0.2
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°	396.1	76.9
0°-40°	457.9	88.9
0°-60°	501.2	97.3
0°-90°	515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	515.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1044	1044	1044	1044	1044	
5°	994	996	992	993	994	90
15°	656	654	650	648	640	179
25°	273	274	275	275	273	128
35°	94	94	95	95	95	61
45°	35	35	35	36	36	28
55°	16	16	16	16	16	14
65°	9	9	9	9	9	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1044.3	1044.3	1044.3	1044.3	1044.3
1°	1041.4	1043.1	1042.5	1043.1	1042.5
2°	1036.3	1037.4	1036.3	1036.8	1036.8
3°	1025.4	1026.6	1026.6	1026.0	1025.4
4°	1012.3	1015.2	1012.3	1012.9	1011.2
5°	994.0	996.3	992.3	992.9	994.0
6°	971.8	972.4	971.2	970.6	969.5
7°	946.1	948.4	944.4	945.0	943.8
8°	918.7	918.2	918.2	915.9	912.4
9°	885.6	887.9	884.5	883.3	883.9
10°	853.1	853.1	850.2	847.4	849.1
11°	816.0	814.9	813.2	809.2	808.0
12°	775.5	777.8	772.6	770.9	766.9
13°	733.8	737.3	735.0	728.7	729.3
14°	695.0	692.8	691.0	689.9	685.9
15°	655.7	654.5	650.5	647.7	640.3
17.5°	547.8	549.0	541.5	540.4	537.5
20°	446.2	442.8	442.2	442.8	439.4
22.5°	352.1	355.5	351.5	352.1	349.8
25°	273.3	273.9	275.0	275.0	273.3
27.5°	212.3	212.3	211.1	212.3	210.6
30°	160.9	160.9	162.1	163.2	160.9
32.5°	124.4	124.4	124.4	125.0	125.5
35°	94.2	94.2	94.7	94.7	94.7
37.5°	72.5	73.0	73.6	73.6	73.6
40°	55.9	56.5	56.5	57.1	56.5
42.5°	44.5	44.5	44.5	45.1	45.1
45°	34.8	35.4	35.4	35.9	35.9
47.5°	28.5	28.5	28.5	29.1	29.1
50°	22.8	23.4	23.4	23.4	23.4
52.5°	18.8	18.8	19.4	19.4	19.4
55°	16.0	16.0	16.0	16.0	16.0
57.5°	13.1	13.7	13.7	13.7	13.7
60°	11.4	11.4	11.4	11.4	11.4
62.5°	9.7	9.7	9.7	9.7	9.7
65°	8.6	8.6	8.6	8.6	8.6
67.5°	6.8	7.4	7.4	7.4	7.4
70°	6.3	6.3	6.3	6.3	6.3
72.5°	4.6	5.1	5.1	5.1	5.1
75°	4.0	4.0	4.0	4.0	4.0
77.5°	3.4	2.9	2.9	2.9	3.4
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.6	0.6	0.6	0.6	1.1
87.5°	0.0	0.0	0.0	0.6	0.6



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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)