

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: P1318233

Luminaire Tested: LDSQA3D09R359830DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318233
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: LDSQA3D09R359830DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

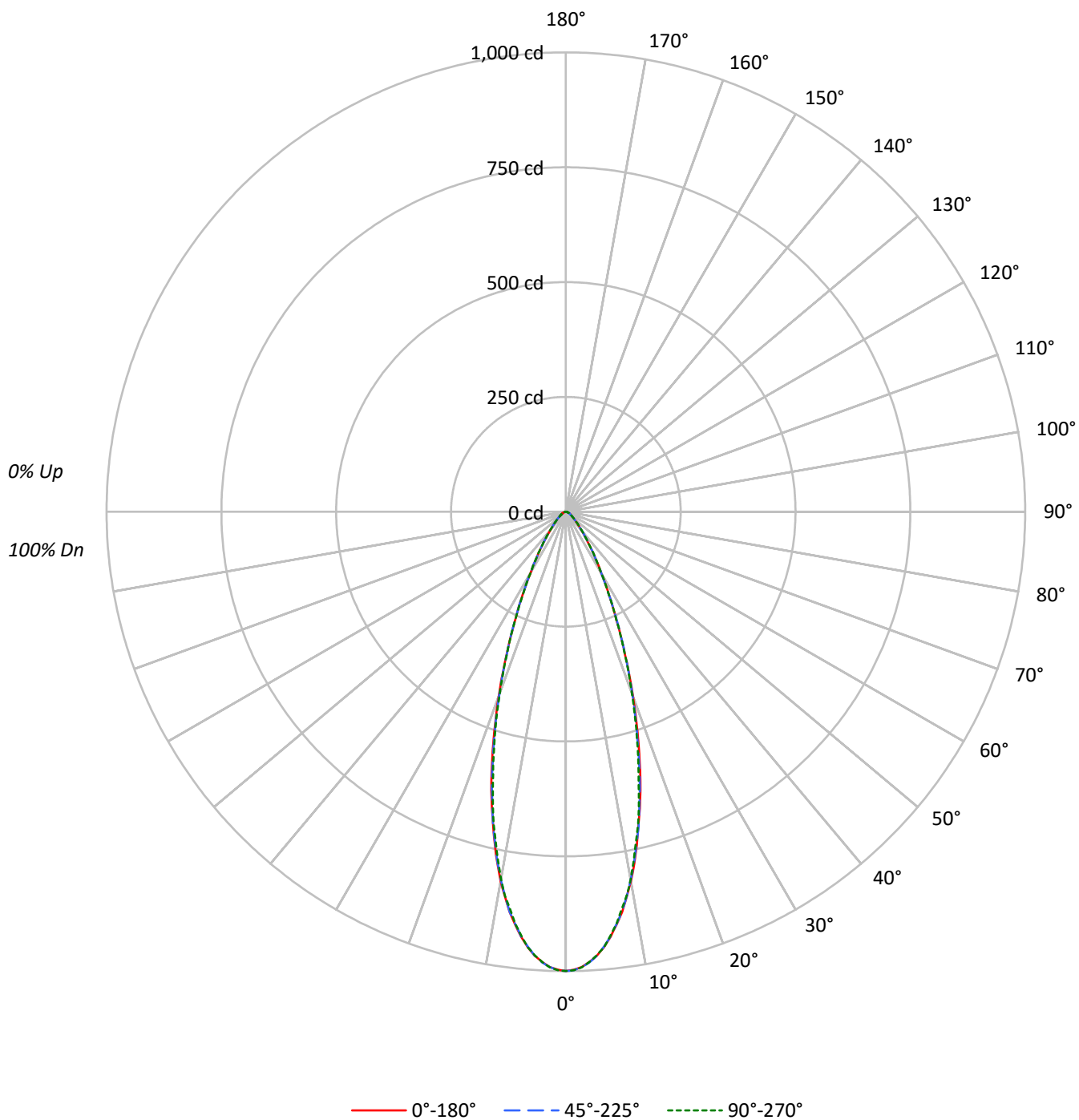
Lumens per Lamp: N/A
Luminaire Lumens: 493.0 lumens
Efficiency: N/A
Efficacy: 44.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	97	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°	172171	172171	172171
5°	164513	164219	164513
10°	142824	142334	142142
15°	111918	111026	109279
20°	78295	77599	77086
25°	49730	50034	49730
30°	30625	30844	30625
35°	18943	19069	19069
40°	12028	12163	12163
45°	8111	8257	8378
50°	5868	6002	6002
55°	4594	4594	4594
60°	3754	3754	3754
65°	3342	3342	3342
70°	3021	3021	3021
75°	2529	2529	2529
80°	2182	2182	2182
85°	988	988	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 8378 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	17.5
10°-20°	170.1	34.5
20°-30°	122.7	24.9
30°-40°	59.2	12.0
40°-50°	27.3	5.5
50°-60°	14.1	2.9
60°-70°	8.2	1.7
70°-80°	4.1	0.8
80°-90°	0.9	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°	379.2	76.9
0°-40°	438.4	88.9
0°-60°	479.8	97.3
0°-90°	493.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	493.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1000	1000	1000	1000	1000	
5°	952	954	950	950	952	86
15°	628	627	623	620	613	171
25°	262	262	263	263	262	123
35°	90	90	91	91	91	59
45°	33	34	34	34	34	27
55°	15	15	15	15	15	14
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	999.7	999.7	999.7	999.7	999.7
1°	996.9	998.6	998.0	998.6	998.0
2°	992.0	993.1	992.0	992.6	992.6
3°	981.6	982.7	982.7	982.2	981.6
4°	969.1	971.8	969.1	969.6	968.0
5°	951.6	953.8	949.9	950.5	951.6
6°	930.3	930.8	929.7	929.2	928.1
7°	905.7	907.9	904.1	904.6	903.5
8°	879.5	878.9	878.9	876.7	873.5
9°	847.8	850.0	846.7	845.6	846.2
10°	816.7	816.7	813.9	811.2	812.8
11°	781.1	780.1	778.4	774.6	773.5
12°	742.4	744.5	739.6	738.0	734.2
13°	702.5	705.8	703.6	697.6	698.1
14°	665.3	663.2	661.5	660.4	656.6
15°	627.7	626.6	622.7	620.0	612.9
17.5°	524.4	525.5	518.4	517.3	514.6
20°	427.2	423.9	423.4	423.9	420.6
22.5°	337.0	340.3	336.5	337.0	334.9
25°	261.7	262.2	263.3	263.3	261.7
27.5°	203.2	203.2	202.1	203.2	201.6
30°	154.0	154.0	155.1	156.2	154.0
32.5°	119.1	119.1	119.1	119.6	120.2
35°	90.1	90.1	90.7	90.7	90.7
37.5°	69.4	69.9	70.5	70.5	70.5
40°	53.5	54.1	54.1	54.6	54.1
42.5°	42.6	42.6	42.6	43.2	43.2
45°	33.3	33.9	33.9	34.4	34.4
47.5°	27.3	27.3	27.3	27.9	27.9
50°	21.9	22.4	22.4	22.4	22.4
52.5°	18.0	18.0	18.6	18.6	18.6
55°	15.3	15.3	15.3	15.3	15.3
57.5°	12.6	13.1	13.1	13.1	13.1
60°	10.9	10.9	10.9	10.9	10.9
62.5°	9.3	9.3	9.3	9.3	9.3
65°	8.2	8.2	8.2	8.2	8.2
67.5°	6.6	7.1	7.1	7.1	7.1
70°	6.0	6.0	6.0	6.0	6.0
72.5°	4.4	4.9	4.9	4.9	4.9
75°	3.8	3.8	3.8	3.8	3.8
77.5°	3.3	2.7	2.7	2.7	3.3
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.5	0.5	0.5	0.5	1.1
87.5°	0.0	0.0	0.0	0.5	0.5



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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)