

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: P1315476

Luminaire Tested: LDSQA3D09R359735DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315476
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: LDSQA3D09R359735DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

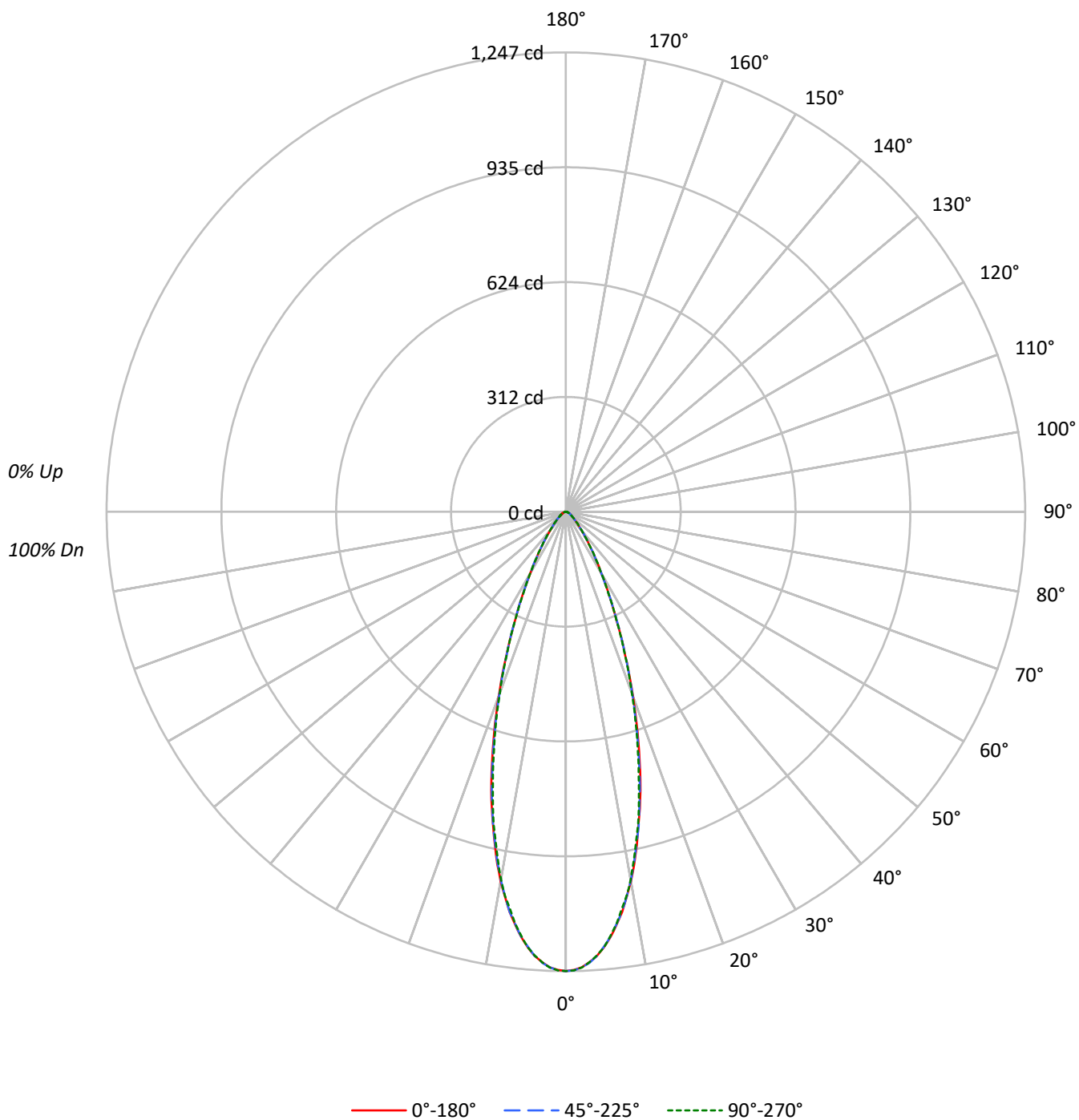
Lumens per Lamp: N/A
Luminaire Lumens: 615.0 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1315476

CATALOG NUMBER: LDSQA3D09R359735DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315476

CATALOG NUMBER: LDSQA3D09R359735DE010 3LSQPHRL1MW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94		
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82		
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77		
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73		
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69		
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65		
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62		
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59		
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	56		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	214762	214762	214762
5°	205226	204863	205226
10°	178150	177555	177328
15°	139607	138502	136327
20°	97668	96788	96165
25°	62025	62424	62025
30°	38222	38480	38222
35°	23632	23779	23779
40°	15018	15175	15175
45°	10132	10278	10449
50°	7315	7475	7475
55°	5735	5735	5735
60°	4684	4684	4684
65°	4157	4157	4157
70°	3777	3777	3777
75°	3194	3194	3194
80°	2678	2678	2678
85°	1383	1383	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 10449 cd/sqm

TEST NUMBER: P1315476

CATALOG NUMBER: LDSQA3D09R359735DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	17.5
10°-20°	212.2	34.5
20°-30°	153.1	24.9
30°-40°	73.8	12.0
40°-50°	34.0	5.5
50°-60°	17.6	2.9
60°-70°	10.2	1.7
70°-80°	5.1	0.8
80°-90°	1.2	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°	473.1	76.9
0°-40°	546.9	88.9
0°-60°	598.5	97.3
0°-90°	615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1187	1190	1185	1186	1187	108
15°	783	782	777	773	765	213
25°	326	327	328	328	326	153
35°	112	112	113	113	113	73
45°	42	42	42	43	43	34
55°	19	19	19	19	19	17
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1315476

CATALOG NUMBER: LDSQA3D09R359735DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1247.0	1247.0	1247.0	1247.0	1247.0
1°	1243.6	1245.7	1245.0	1245.7	1245.0
2°	1237.5	1238.9	1237.5	1238.2	1238.2
3°	1224.5	1225.9	1225.9	1225.2	1224.5
4°	1208.9	1212.3	1208.9	1209.6	1207.5
5°	1187.1	1189.8	1185.0	1185.7	1187.1
6°	1160.5	1161.2	1159.8	1159.1	1157.8
7°	1129.8	1132.5	1127.8	1128.5	1127.1
8°	1097.1	1096.4	1096.4	1093.7	1089.6
9°	1057.6	1060.3	1056.2	1054.9	1055.5
10°	1018.7	1018.7	1015.3	1011.9	1014.0
11°	974.5	973.1	971.0	966.3	964.9
12°	926.1	928.8	922.7	920.6	915.9
13°	876.3	880.4	877.7	870.2	870.9
14°	830.0	827.3	825.2	823.9	819.1
15°	783.0	781.6	776.8	773.4	764.6
17.5°	654.2	655.5	646.7	645.3	641.9
20°	532.9	528.8	528.1	528.8	524.7
22.5°	420.4	424.5	419.8	420.4	417.7
25°	326.4	327.1	328.5	328.5	326.4
27.5°	253.5	253.5	252.1	253.5	251.5
30°	192.2	192.2	193.5	194.9	192.2
32.5°	148.6	148.6	148.6	149.2	149.9
35°	112.4	112.4	113.1	113.1	113.1
37.5°	86.5	87.2	87.9	87.9	87.9
40°	66.8	67.5	67.5	68.1	67.5
42.5°	53.2	53.2	53.2	53.8	53.8
45°	41.6	42.2	42.2	42.9	42.9
47.5°	34.1	34.1	34.1	34.8	34.8
50°	27.3	27.9	27.9	27.9	27.9
52.5°	22.5	22.5	23.2	23.2	23.2
55°	19.1	19.1	19.1	19.1	19.1
57.5°	15.7	16.4	16.4	16.4	16.4
60°	13.6	13.6	13.6	13.6	13.6
62.5°	11.6	11.6	11.6	11.6	11.6
65°	10.2	10.2	10.2	10.2	10.2
67.5°	8.2	8.9	8.9	8.9	8.9
70°	7.5	7.5	7.5	7.5	7.5
72.5°	5.5	6.1	6.1	6.1	6.1
75°	4.8	4.8	4.8	4.8	4.8
77.5°	4.1	3.4	3.4	3.4	4.1
80°	2.7	2.7	2.7	2.7	2.7
82.5°	2.0	2.0	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.7	0.7



TEST NUMBER: P1315476

CATALOG NUMBER: LDSQA3D09R359735DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)