

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: P1316446

Luminaire Tested: LDSQA3D09R359740DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316446
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: LDSQA3D09R359740DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

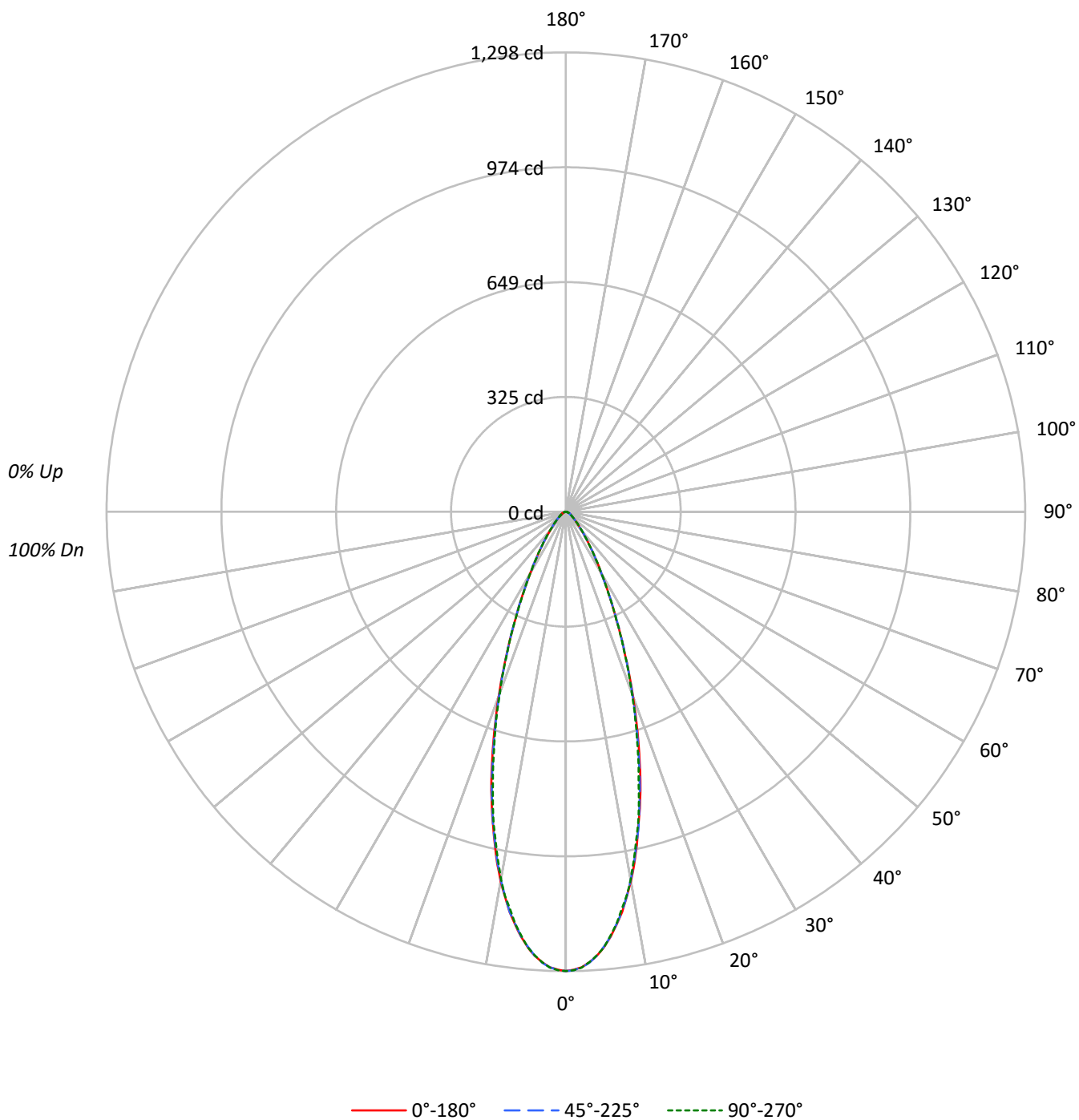
Lumens per Lamp: N/A
Luminaire Lumens: 640.0 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316446

CATALOG NUMBER: LDSQA3D09R359740DE010 3LSQPHRL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1316446

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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°	223493	223493	223493
5°	213559	213196	213559
10°	185407	184778	184533
15°	145277	144136	141872
20°	101626	100728	100068
25°	64552	64951	64552
30°	39773	40052	39773
35°	24599	24746	24746
40°	15625	15782	15782
45°	10546	10717	10887
50°	7609	7797	7797
55°	5975	5975	5975
60°	4891	4891	4891
65°	4320	4320	4320
70°	3928	3928	3928
75°	3327	3327	3327
80°	2777	2777	2777
85°	1383	1383	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 10887 cd/sqm

TEST NUMBER: P1316446

CATALOG NUMBER: LDSQA3D09R359740DE010 3LSQPHRL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	17.5
10°-20°	220.8	34.5
20°-30°	159.3	24.9
30°-40°	76.8	12.0
40°-50°	35.4	5.5
50°-60°	18.3	2.9
60°-70°	10.6	1.7
70°-80°	5.4	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°	492.3	76.9
0°-40°	569.1	88.9
0°-60°	622.8	97.3
0°-90°	640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	640.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1298	1298	1298	1298	1298	
5°	1235	1238	1233	1234	1235	112
15°	815	813	808	805	796	222
25°	340	340	342	342	340	159
35°	117	117	118	118	118	76
45°	43	44	44	45	45	35
55°	20	20	20	20	20	18
65°	11	11	11	11	11	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1316446

CATALOG NUMBER: LDSQA3D09R359740DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1297.7	1297.7	1297.7	1297.7	1297.7
1°	1294.2	1296.3	1295.6	1296.3	1295.6
2°	1287.8	1289.2	1287.8	1288.5	1288.5
3°	1274.3	1275.7	1275.7	1275.0	1274.3
4°	1258.0	1261.6	1258.0	1258.7	1256.6
5°	1235.3	1238.2	1233.2	1233.9	1235.3
6°	1207.7	1208.4	1207.0	1206.2	1204.8
7°	1175.8	1178.6	1173.6	1174.3	1172.9
8°	1141.7	1141.0	1141.0	1138.2	1133.9
9°	1100.6	1103.4	1099.2	1097.7	1098.5
10°	1060.2	1060.2	1056.6	1053.1	1055.2
11°	1014.1	1012.6	1010.5	1005.6	1004.1
12°	963.7	966.6	960.2	958.0	953.1
13°	912.0	916.2	913.4	905.6	906.3
14°	863.7	860.9	858.8	857.3	852.4
15°	814.8	813.4	808.4	804.9	795.7
17.5°	680.8	682.2	673.0	671.6	668.0
20°	554.5	550.3	549.6	550.3	546.0
22.5°	437.5	441.8	436.8	437.5	434.7
25°	339.7	340.4	341.8	341.8	339.7
27.5°	263.8	263.8	262.4	263.8	261.7
30°	200.0	200.0	201.4	202.8	200.0
32.5°	154.6	154.6	154.6	155.3	156.0
35°	117.0	117.0	117.7	117.7	117.7
37.5°	90.1	90.8	91.5	91.5	91.5
40°	69.5	70.2	70.2	70.9	70.2
42.5°	55.3	55.3	55.3	56.0	56.0
45°	43.3	44.0	44.0	44.7	44.7
47.5°	35.5	35.5	35.5	36.2	36.2
50°	28.4	29.1	29.1	29.1	29.1
52.5°	23.4	23.4	24.1	24.1	24.1
55°	19.9	19.9	19.9	19.9	19.9
57.5°	16.3	17.0	17.0	17.0	17.0
60°	14.2	14.2	14.2	14.2	14.2
62.5°	12.1	12.1	12.1	12.1	12.1
65°	10.6	10.6	10.6	10.6	10.6
67.5°	8.5	9.2	9.2	9.2	9.2
70°	7.8	7.8	7.8	7.8	7.8
72.5°	5.7	6.4	6.4	6.4	6.4
75°	5.0	5.0	5.0	5.0	5.0
77.5°	4.3	3.5	3.5	3.5	4.3
80°	2.8	2.8	2.8	2.8	2.8
82.5°	2.1	2.1	2.1	2.1	2.1
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: P1316446

CATALOG NUMBER: LDSQA3D09R359740DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)