

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: P1309100

Luminaire Tested: LDSQA3D09R359030DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309100
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: LDSQA3D09R359030DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

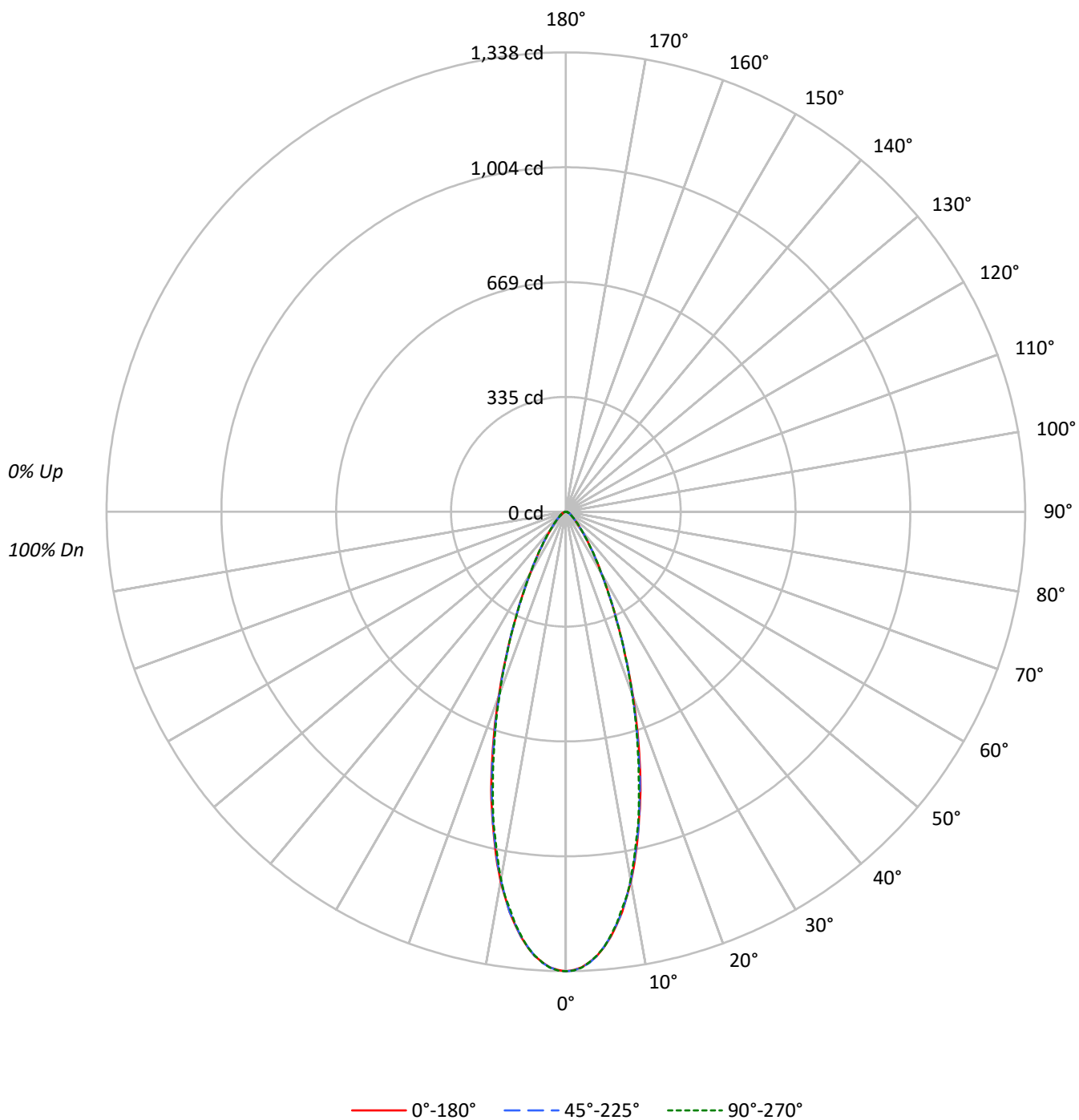
Lumens per Lamp: N/A
Luminaire Lumens: 660.0 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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°	230486	230486	230486
5°	220232	219852	220232
10°	191196	190549	190304
15°	149824	148647	146294
20°	104815	103881	103202
25°	66566	66984	66566
30°	41006	41304	41006
35°	25377	25524	25524
40°	16120	16277	16277
45°	10863	11033	11228
50°	7850	8038	8038
55°	6155	6155	6155
60°	5029	5029	5029
65°	4483	4483	4483
70°	4028	4028	4028
75°	3394	3394	3394
80°	2876	2876	2876
85°	1383	1383	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 11228 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	17.5
10°-20°	227.7	34.5
20°-30°	164.3	24.9
30°-40°	79.2	12.0
40°-50°	36.5	5.5
50°-60°	18.9	2.9
60°-70°	10.9	1.7
70°-80°	5.5	0.8
80°-90°	1.3	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°	507.7	76.9
0°-40°	586.9	88.9
0°-60°	642.3	97.3
0°-90°	660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	660.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1338	1338	1338	1338	1338	
5°	1274	1277	1272	1272	1274	116
15°	840	839	834	830	820	229
25°	350	351	352	352	350	164
35°	121	121	121	121	121	79
45°	45	45	45	46	46	36
55°	20	20	20	20	20	19
65°	11	11	11	11	11	11
75°	5	5	5	5	5	5
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1338.3	1338.3	1338.3	1338.3	1338.3
1°	1334.6	1336.8	1336.1	1336.8	1336.1
2°	1328.0	1329.5	1328.0	1328.8	1328.8
3°	1314.1	1315.6	1315.6	1314.9	1314.1
4°	1297.3	1301.0	1297.3	1298.1	1295.9
5°	1273.9	1276.8	1271.7	1272.5	1273.9
6°	1245.4	1246.1	1244.7	1243.9	1242.5
7°	1212.5	1215.4	1210.3	1211.0	1209.6
8°	1177.4	1176.7	1176.7	1173.7	1169.3
9°	1135.0	1137.9	1133.5	1132.1	1132.8
10°	1093.3	1093.3	1089.6	1086.0	1088.2
11°	1045.8	1044.3	1042.1	1037.0	1035.5
12°	993.8	996.8	990.2	988.0	982.9
13°	940.5	944.8	941.9	933.9	934.6
14°	890.7	887.8	885.6	884.1	879.0
15°	840.3	838.8	833.7	830.0	820.5
17.5°	702.0	703.5	694.0	692.5	688.9
20°	571.9	567.5	566.8	567.5	563.1
22.5°	451.2	455.6	450.5	451.2	448.3
25°	350.3	351.0	352.5	352.5	350.3
27.5°	272.0	272.0	270.6	272.0	269.8
30°	206.2	206.2	207.7	209.2	206.2
32.5°	159.4	159.4	159.4	160.2	160.9
35°	120.7	120.7	121.4	121.4	121.4
37.5°	92.9	93.6	94.3	94.3	94.3
40°	71.7	72.4	72.4	73.1	72.4
42.5°	57.0	57.0	57.0	57.8	57.8
45°	44.6	45.3	45.3	46.1	46.1
47.5°	36.6	36.6	36.6	37.3	37.3
50°	29.3	30.0	30.0	30.0	30.0
52.5°	24.1	24.1	24.9	24.9	24.9
55°	20.5	20.5	20.5	20.5	20.5
57.5°	16.8	17.6	17.6	17.6	17.6
60°	14.6	14.6	14.6	14.6	14.6
62.5°	12.4	12.4	12.4	12.4	12.4
65°	11.0	11.0	11.0	11.0	11.0
67.5°	8.8	9.5	9.5	9.5	9.5
70°	8.0	8.0	8.0	8.0	8.0
72.5°	5.9	6.6	6.6	6.6	6.6
75°	5.1	5.1	5.1	5.1	5.1
77.5°	4.4	3.7	3.7	3.7	4.4
80°	2.9	2.9	2.9	2.9	2.9
82.5°	2.2	2.2	2.2	2.2	2.2
85°	0.7	0.7	0.7	0.7	1.5
87.5°	0.0	0.0	0.0	0.7	0.7



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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)