

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: P1318379

Luminaire Tested: LDSQA3D13R359830DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318379
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: LDSQA3D13R359830DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

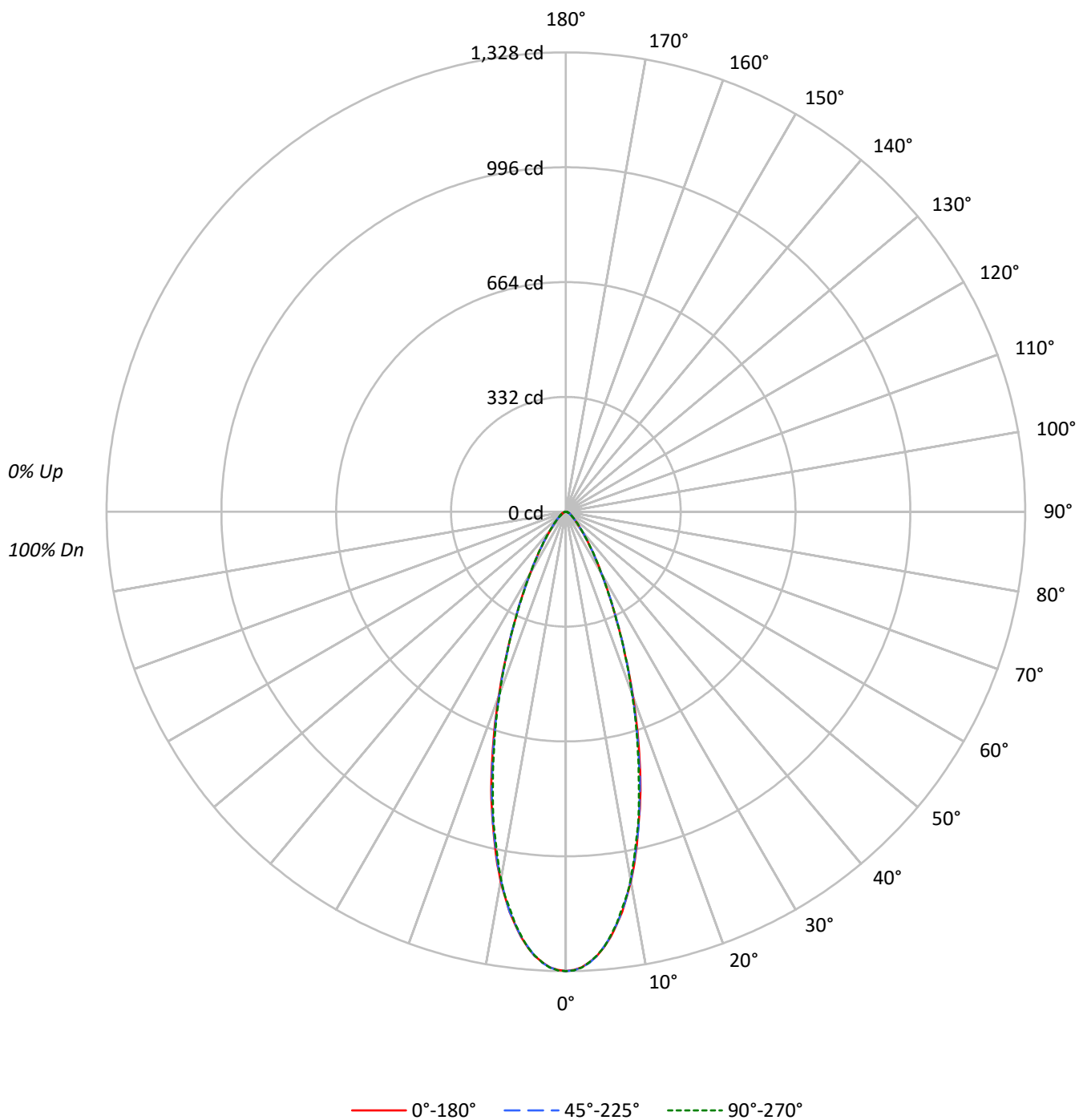
Lumens per Lamp: N/A
Luminaire Lumens: 655.0 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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°	228729	228729	228729
5°	218573	218192	218573
10°	189744	189115	188852
15°	148683	147524	145188
20°	104009	103092	102414
25°	66053	66471	66053
30°	40708	40986	40708
35°	25187	25335	25335
40°	15985	16165	16165
45°	10790	10960	11131
50°	7770	7984	7984
55°	6095	6095	6095
60°	4994	4994	4994
65°	4442	4442	4442
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: 11131 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.8	17.5
10°-20°	226.0	34.5
20°-30°	163.1	24.9
30°-40°	78.6	12.0
40°-50°	36.2	5.5
50°-60°	18.7	2.9
60°-70°	10.8	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°	503.8	76.9
0°-40°	582.4	88.9
0°-60°	637.4	97.3
0°-90°	655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1328	1328	1328	1328	1328	
5°	1264	1267	1262	1263	1264	115
15°	834	832	827	824	814	227
25°	348	348	350	350	348	163
35°	120	120	120	120	120	78
45°	44	45	45	46	46	36
55°	20	20	20	20	20	18
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°	1328.1	1328.1	1328.1	1328.1	1328.1
1°	1324.5	1326.7	1326.0	1326.7	1326.0
2°	1318.0	1319.4	1318.0	1318.7	1318.7
3°	1304.2	1305.6	1305.6	1304.9	1304.2
4°	1287.5	1291.1	1287.5	1288.2	1286.0
5°	1264.3	1267.2	1262.1	1262.8	1264.3
6°	1236.0	1236.7	1235.2	1234.5	1233.1
7°	1203.3	1206.2	1201.1	1201.9	1200.4
8°	1168.5	1167.7	1167.7	1164.8	1160.5
9°	1126.4	1129.3	1124.9	1123.5	1124.2
10°	1085.0	1085.0	1081.4	1077.8	1079.9
11°	1037.8	1036.4	1034.2	1029.1	1027.7
12°	986.3	989.2	982.7	980.5	975.4
13°	933.3	937.7	934.8	926.8	927.5
14°	884.0	881.1	878.9	877.4	872.4
15°	833.9	832.4	827.4	823.7	814.3
17.5°	696.7	698.2	688.7	687.3	683.7
20°	567.5	563.2	562.5	563.2	558.8
22.5°	447.8	452.1	447.1	447.8	444.9
25°	347.6	348.4	349.8	349.8	347.6
27.5°	270.0	270.0	268.5	270.0	267.8
30°	204.7	204.7	206.1	207.6	204.7
32.5°	158.2	158.2	158.2	158.9	159.7
35°	119.8	119.8	120.5	120.5	120.5
37.5°	92.2	92.9	93.6	93.6	93.6
40°	71.1	71.9	71.9	72.6	71.9
42.5°	56.6	56.6	56.6	57.3	57.3
45°	44.3	45.0	45.0	45.7	45.7
47.5°	36.3	36.3	36.3	37.0	37.0
50°	29.0	29.8	29.8	29.8	29.8
52.5°	24.0	24.0	24.7	24.7	24.7
55°	20.3	20.3	20.3	20.3	20.3
57.5°	16.7	17.4	17.4	17.4	17.4
60°	14.5	14.5	14.5	14.5	14.5
62.5°	12.3	12.3	12.3	12.3	12.3
65°	10.9	10.9	10.9	10.9	10.9
67.5°	8.7	9.4	9.4	9.4	9.4
70°	8.0	8.0	8.0	8.0	8.0
72.5°	5.8	6.5	6.5	6.5	6.5
75°	5.1	5.1	5.1	5.1	5.1
77.5°	4.4	3.6	3.6	3.6	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)