

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: P1312251

Luminaire Tested: LDSQA3D05R309050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309050DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

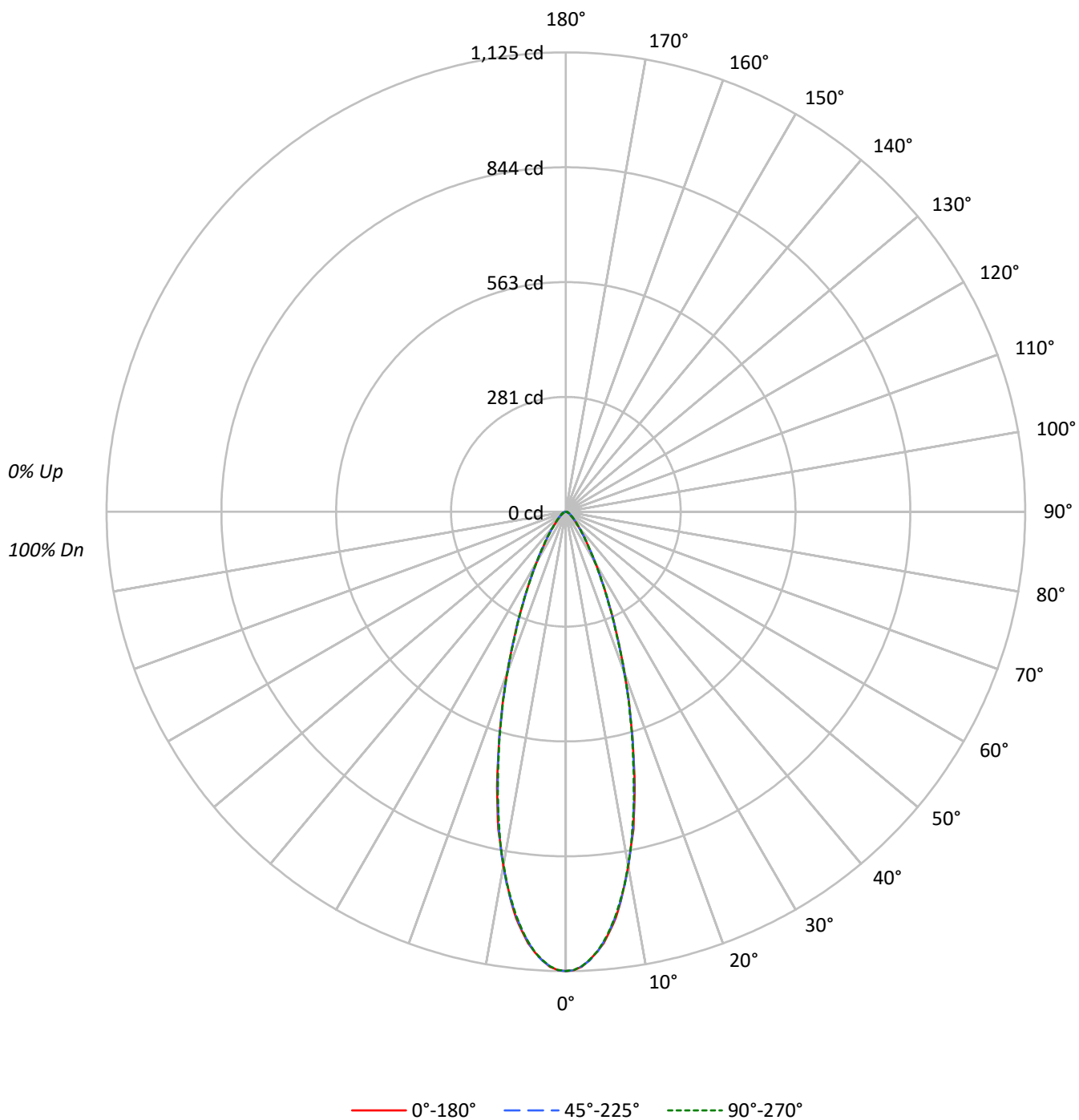
Lumens per Lamp: N/A
Luminaire Lumens: 494.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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	100	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94	94	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88	88	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83	83	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78	78	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74	74	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70	70	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66	66	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63	63	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61	61	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58	58	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	193716	193716	193716
5°	183409	182942	182838
10°	154086	154086	153509
15°	114806	114503	113825
20°	76829	76426	76536
25°	47355	47260	47469
30°	28478	28478	28577
35°	17471	17471	17576
40°	11061	11061	11308
45°	7599	7721	7721
50°	5573	5573	5573
55°	4264	4444	4444
60°	3582	3582	3754
65°	3138	3138	3138
70°	2769	3021	3021
75°	2529	2529	2529
80°	2182	2182	2182
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7721 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	19.3
10°-20°	176.1	35.6
20°-30°	117.0	23.7
30°-40°	54.1	11.0
40°-50°	25.1	5.1
50°-60°	13.4	2.7
60°-70°	7.9	1.6
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°	388.5	78.6
0°-40°	442.6	89.6
0°-60°	481.1	97.4
0°-90°	494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	494.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1125	1125	1125	1125	1125	
5°	1061	1059	1058	1061	1058	95
15°	644	646	642	642	638	177
25°	249	249	249	249	250	117
35°	83	82	83	84	84	54
45°	31	31	32	32	32	25
55°	14	15	15	15	15	13
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1124.8	1124.8	1124.8	1124.8	1124.8
1°	1122.7	1121.6	1122.7	1124.3	1122.1
2°	1115.0	1113.9	1113.9	1116.1	1113.9
3°	1100.2	1101.3	1100.8	1103.0	1099.2
4°	1081.7	1081.1	1083.3	1084.4	1081.1
5°	1060.9	1058.7	1058.2	1060.9	1057.6
6°	1032.5	1030.8	1029.7	1033.0	1028.6
7°	1001.9	1000.8	999.1	1000.2	996.9
8°	964.1	963.6	962.5	963.6	959.8
9°	922.1	922.1	924.2	923.7	921.5
10°	881.1	882.2	881.1	882.2	877.8
11°	835.2	835.2	836.3	835.7	836.3
12°	795.3	790.9	789.8	788.7	785.4
13°	743.9	740.6	739.5	740.6	739.0
14°	696.9	694.7	689.2	690.3	688.1
15°	643.9	646.0	642.2	642.2	638.4
17.5°	526.3	524.2	525.3	525.8	524.2
20°	419.2	418.1	417.0	415.9	417.6
22.5°	325.8	326.3	325.2	324.1	323.0
25°	249.2	248.7	248.7	248.7	249.8
27.5°	189.1	189.1	189.1	189.7	189.7
30°	143.2	142.1	143.2	143.7	143.7
32.5°	107.1	108.2	108.8	108.8	108.8
35°	83.1	82.5	83.1	83.6	83.6
37.5°	63.4	63.4	63.9	63.9	64.5
40°	49.2	49.2	49.2	49.7	50.3
42.5°	38.8	38.8	39.4	39.4	39.9
45°	31.2	31.2	31.7	31.7	31.7
47.5°	25.1	25.1	25.7	25.7	25.7
50°	20.8	20.8	20.8	20.8	20.8
52.5°	17.5	16.9	17.5	17.5	17.5
55°	14.2	14.8	14.8	14.8	14.8
57.5°	12.0	12.6	12.6	12.6	12.6
60°	10.4	10.4	10.4	10.9	10.9
62.5°	8.7	9.3	9.3	9.3	9.3
65°	7.7	7.7	7.7	7.7	7.7
67.5°	6.6	6.6	6.6	6.6	7.1
70°	5.5	5.5	6.0	6.0	6.0
72.5°	4.9	4.9	4.9	4.9	4.9
75°	3.8	3.8	3.8	3.8	3.8
77.5°	2.7	2.7	3.3	3.3	2.7
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	0.5
87.5°	0.0	0.0	0.0	0.0	0.0



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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)