

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: P1312268

Luminaire Tested: LDSQA3D05R359050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312268
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: LDSQA3D05R359050DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

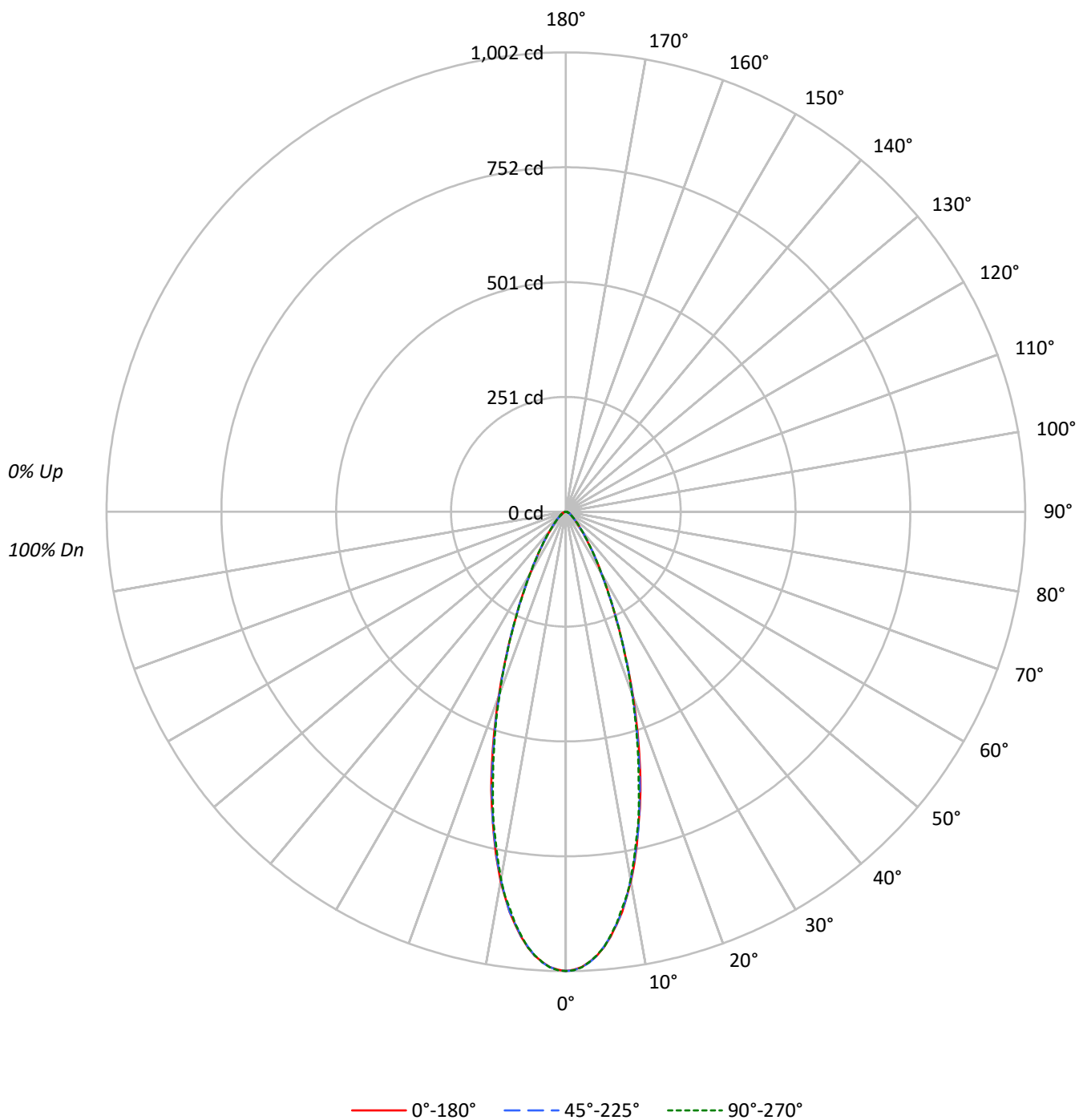
Lumens per Lamp: N/A
Luminaire Lumens: 493.9 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	172515	172515	172515
5°	164842	164565	164842
10°	143104	142632	142439
15°	112132	111258	109493
20°	78442	77745	77251
25°	49825	50129	49825
30°	30705	30924	30705
35°	18985	19111	19111
40°	12050	12185	12185
45°	8135	8257	8403
50°	5868	6002	6002
55°	4594	4594	4594
60°	3754	3754	3754
65°	3342	3342	3342
70°	3021	3021	3021
75°	2529	2529	2529
80°	2182	2182	2182
85°	988	988	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 8403 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	17.5
10°-20°	170.4	34.5
20°-30°	123.0	24.9
30°-40°	59.3	12.0
40°-50°	27.3	5.5
50°-60°	14.1	2.9
60°-70°	8.2	1.7
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°	380.0	76.9
0°-40°	439.3	88.9
0°-60°	480.7	97.3
0°-90°	493.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	493.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1002	1002	1002	1002	1002	
5°	954	956	952	952	954	87
15°	629	628	624	621	614	171
25°	262	263	264	264	262	123
35°	90	90	91	91	91	59
45°	33	34	34	34	34	27
55°	15	15	15	15	15	14
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1001.7	1001.7	1001.7	1001.7	1001.7
1°	998.9	1000.6	1000.0	1000.6	1000.0
2°	994.0	995.1	994.0	994.6	994.6
3°	983.6	984.7	984.7	984.2	983.6
4°	971.0	973.8	971.0	971.6	969.9
5°	953.5	955.7	951.9	952.4	953.5
6°	932.2	932.7	931.6	931.1	930.0
7°	907.5	909.7	905.9	906.4	905.3
8°	881.3	880.7	880.7	878.5	875.2
9°	849.5	851.7	848.4	847.3	847.9
10°	818.3	818.3	815.6	812.8	814.5
11°	782.7	781.6	780.0	776.2	775.1
12°	743.9	746.1	741.1	739.5	735.7
13°	703.9	707.2	705.0	699.0	699.5
14°	666.7	664.5	662.9	661.8	657.9
15°	628.9	627.8	624.0	621.3	614.1
17.5°	525.5	526.6	519.5	518.4	515.6
20°	428.0	424.8	424.2	424.8	421.5
22.5°	337.7	341.0	337.2	337.7	335.5
25°	262.2	262.7	263.8	263.8	262.2
27.5°	203.6	203.6	202.5	203.6	202.0
30°	154.4	154.4	155.5	156.5	154.4
32.5°	119.3	119.3	119.3	119.9	120.4
35°	90.3	90.3	90.9	90.9	90.9
37.5°	69.5	70.1	70.6	70.6	70.6
40°	53.6	54.2	54.2	54.7	54.2
42.5°	42.7	42.7	42.7	43.2	43.2
45°	33.4	33.9	33.9	34.5	34.5
47.5°	27.4	27.4	27.4	27.9	27.9
50°	21.9	22.4	22.4	22.4	22.4
52.5°	18.1	18.1	18.6	18.6	18.6
55°	15.3	15.3	15.3	15.3	15.3
57.5°	12.6	13.1	13.1	13.1	13.1
60°	10.9	10.9	10.9	10.9	10.9
62.5°	9.3	9.3	9.3	9.3	9.3
65°	8.2	8.2	8.2	8.2	8.2
67.5°	6.6	7.1	7.1	7.1	7.1
70°	6.0	6.0	6.0	6.0	6.0
72.5°	4.4	4.9	4.9	4.9	4.9
75°	3.8	3.8	3.8	3.8	3.8
77.5°	3.3	2.7	2.7	2.7	3.3
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	1.1
87.5°	0.0	0.0	0.0	0.5	0.5



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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)