

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: P1315319

Luminaire Tested: LDSQA3D05R359735DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315319
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: LDSQA3D05R359735DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

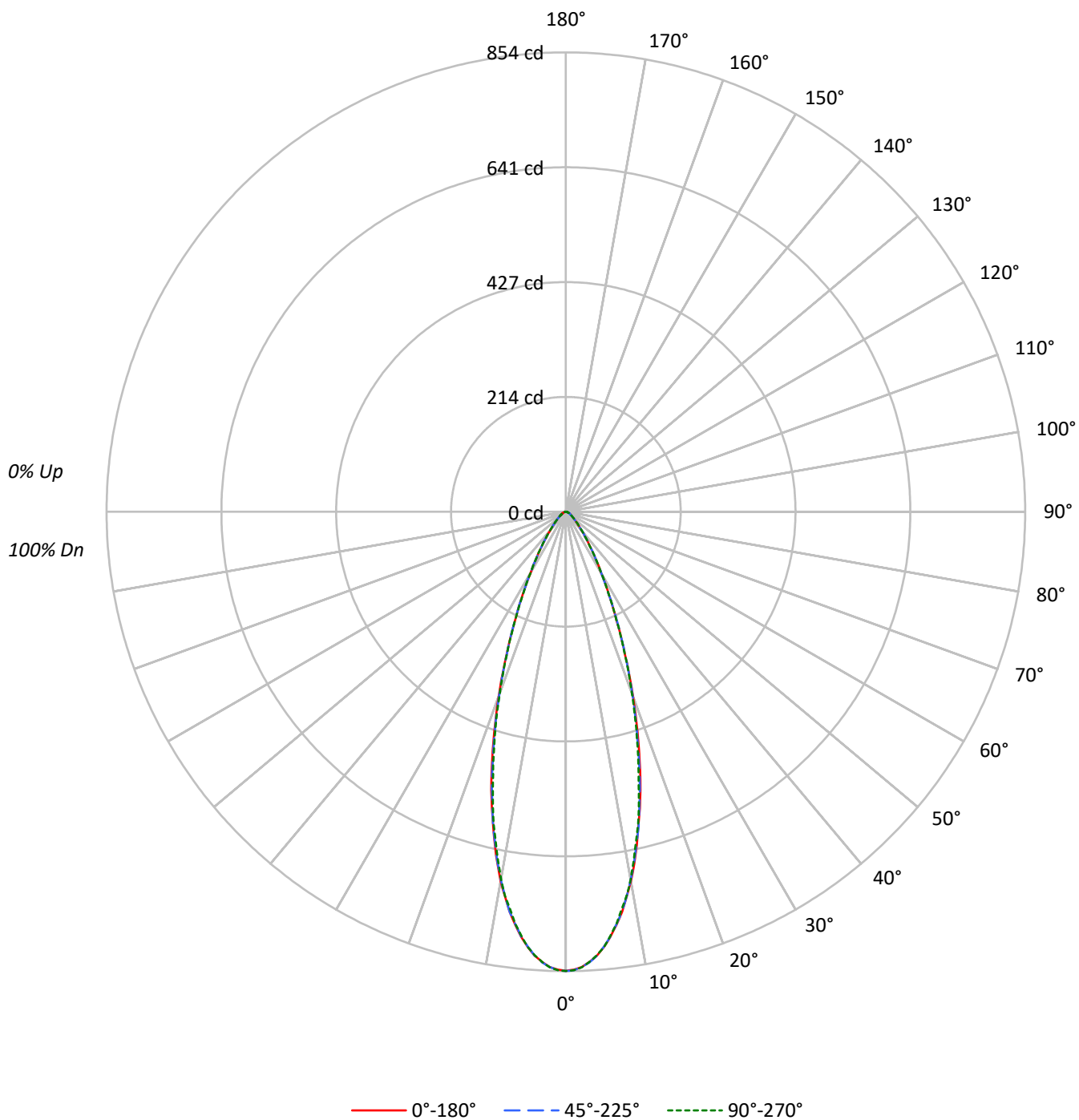
Lumens per Lamp: N/A
Luminaire Lumens: 421.0 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1315319

CATALOG NUMBER: LDSQA3D05R359735DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315319

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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	96	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°	147026	147026	147026
5°	140483	140241	140483
10°	121961	121559	121384
15°	95568	94819	93321
20°	66859	66254	65833
25°	42452	42718	42452
30°	26151	26350	26151
35°	16189	16273	16273
40°	10274	10387	10387
45°	6941	7039	7161
50°	5010	5117	5117
55°	3933	3933	3933
60°	3203	3203	3203
65°	2853	2853	2853
70°	2568	2568	2568
75°	2196	2196	2196
80°	1884	1884	1884
85°	988	988	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7161 cd/sqm

TEST NUMBER: P1315319

CATALOG NUMBER: LDSQA3D05R359735DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	17.5
10°-20°	145.3	34.5
20°-30°	104.8	24.9
30°-40°	50.5	12.0
40°-50°	23.3	5.5
50°-60°	12.1	2.9
60°-70°	7.0	1.7
70°-80°	3.5	0.8
80°-90°	0.8	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°	323.8	76.9
0°-40°	374.4	88.9
0°-60°	409.7	97.3
0°-90°	421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	421.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	854	854	854	854	854	
5°	813	814	811	812	813	74
15°	536	535	532	530	523	146
25°	223	224	225	225	223	105
35°	77	77	77	77	77	50
45°	28	29	29	29	29	23
55°	13	13	13	13	13	12
65°	7	7	7	7	7	7
75°	3	3	3	3	3	4
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1315319

CATALOG NUMBER: LDSQA3D05R359735DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	853.7	853.7	853.7	853.7	853.7
1°	851.3	852.7	852.3	852.7	852.3
2°	847.1	848.1	847.1	847.6	847.6
3°	838.3	839.2	839.2	838.7	838.3
4°	827.5	829.9	827.5	828.0	826.6
5°	812.6	814.5	811.2	811.7	812.6
6°	794.4	794.9	793.9	793.5	792.5
7°	773.4	775.3	772.0	772.5	771.6
8°	751.0	750.6	750.6	748.7	745.9
9°	724.0	725.8	723.0	722.1	722.6
10°	697.4	697.4	695.1	692.7	694.1
11°	667.1	666.1	664.7	661.5	660.5
12°	633.9	635.8	631.6	630.2	626.9
13°	599.9	602.7	600.8	595.7	596.2
14°	568.2	566.3	564.9	564.0	560.7
15°	536.0	535.1	531.8	529.5	523.4
17.5°	447.8	448.8	442.7	441.8	439.4
20°	364.8	362.0	361.5	362.0	359.2
22.5°	287.8	290.6	287.4	287.8	286.0
25°	223.4	223.9	224.8	224.8	223.4
27.5°	173.5	173.5	172.6	173.5	172.1
30°	131.5	131.5	132.5	133.4	131.5
32.5°	101.7	101.7	101.7	102.2	102.6
35°	77.0	77.0	77.4	77.4	77.4
37.5°	59.2	59.7	60.2	60.2	60.2
40°	45.7	46.2	46.2	46.6	46.2
42.5°	36.4	36.4	36.4	36.9	36.9
45°	28.5	28.9	28.9	29.4	29.4
47.5°	23.3	23.3	23.3	23.8	23.8
50°	18.7	19.1	19.1	19.1	19.1
52.5°	15.4	15.4	15.9	15.9	15.9
55°	13.1	13.1	13.1	13.1	13.1
57.5°	10.7	11.2	11.2	11.2	11.2
60°	9.3	9.3	9.3	9.3	9.3
62.5°	7.9	7.9	7.9	7.9	7.9
65°	7.0	7.0	7.0	7.0	7.0
67.5°	5.6	6.1	6.1	6.1	6.1
70°	5.1	5.1	5.1	5.1	5.1
72.5°	3.7	4.2	4.2	4.2	4.2
75°	3.3	3.3	3.3	3.3	3.3
77.5°	2.8	2.3	2.3	2.3	2.8
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.5	0.5	0.5	0.5	0.9
87.5°	0.0	0.0	0.0	0.5	0.5



TEST NUMBER: P1315319

CATALOG NUMBER: LDSQA3D05R359735DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)