

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: P1309271

Luminaire Tested: LDSQA3D13R359030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359030DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

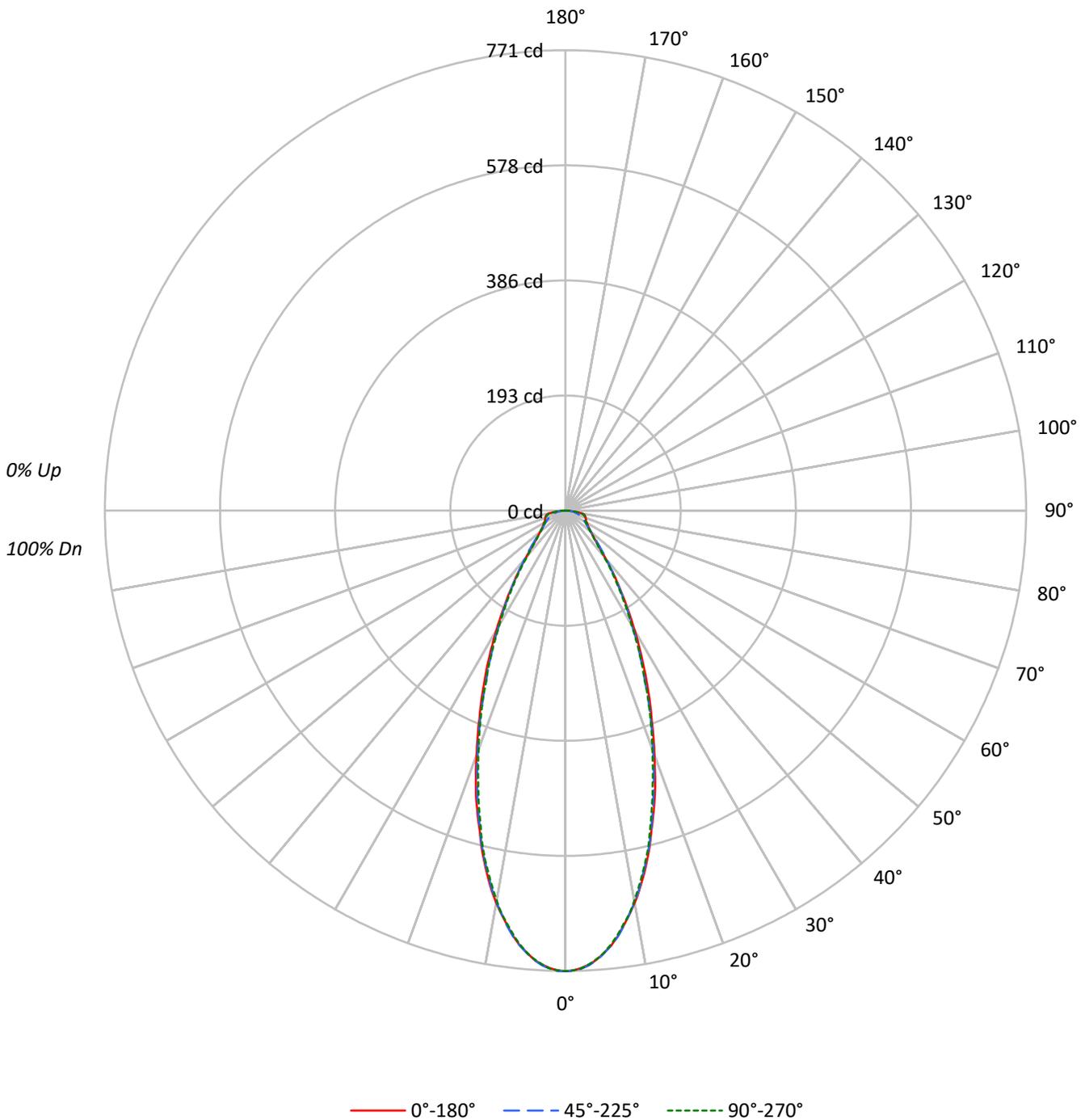
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 638.0 lumens
Efficiency: N/A
Efficacy: 43.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	132801	132801	132801
5°	128450	128606	128450
10°	116680	116505	115998
15°	99045	98706	97832
20°	79743	78680	77965
25°	61645	59801	59801
30°	45958	44427	44029
35°	33072	32672	31852
40°	23134	23809	22280
45°	17268	18218	16806
50°	14843	14843	14575
55°	13992	13422	13692
60°	14398	13054	13709
65°	15445	13040	15037
70°	18077	13696	17624
75°	22624	14240	21959
80°	28861	15373	25985
85°	23120	15413	23120

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 28861 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	10.7
10°-20°	152.8	24.0
20°-30°	146.0	22.9
30°-40°	98.0	15.4
40°-50°	57.6	9.0
50°-60°	41.2	6.5
60°-70°	34.3	5.4
70°-80°	28.1	4.4
80°-90°	11.6	1.8
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°	367.3	57.6
0°-40°	465.3	72.9
0°-60°	564.1	88.4
0°-90°	638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	638.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	771	771	771	771	771	
5°	743	745	744	743	743	68
15°	556	556	554	550	549	154
25°	324	320	315	315	315	149
35°	157	157	155	152	152	100
45°	71	73	75	71	69	57
55°	47	46	45	45	46	42
65°	38	34	32	34	37	38
75°	34	26	21	26	33	35
85°	12	13	8	13	12	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	771.1	771.1	771.1	771.1	771.1
1°	770.1	771.1	771.1	770.1	770.1
2°	766.3	768.2	767.2	766.3	767.2
3°	761.4	763.3	762.4	761.4	760.4
4°	753.6	755.6	754.6	752.7	752.7
5°	743.0	744.9	743.9	743.0	743.0
6°	732.3	734.2	732.3	730.3	730.3
7°	717.7	720.6	718.7	716.7	715.8
8°	701.2	704.1	702.2	701.2	699.3
9°	684.7	686.6	683.7	683.7	683.7
10°	667.2	668.2	666.2	663.3	663.3
11°	647.8	646.8	645.8	643.9	642.0
12°	626.4	626.4	623.5	621.6	620.6
13°	604.1	603.1	601.2	599.2	599.2
14°	580.8	580.8	578.8	574.9	575.9
15°	555.5	556.5	553.6	549.7	548.7
17.5°	498.2	496.3	491.4	488.5	485.6
20°	435.1	434.1	429.3	426.3	425.4
22.5°	376.8	375.8	371.0	368.1	370.0
25°	324.4	320.5	314.7	314.7	314.7
27.5°	275.8	271.0	267.1	265.1	267.1
30°	231.1	227.3	223.4	222.4	221.4
32.5°	191.3	189.4	187.4	184.5	184.5
35°	157.3	157.3	155.4	152.5	151.5
37.5°	128.2	129.2	128.2	125.3	124.3
40°	102.9	104.9	105.9	102.9	99.1
42.5°	84.5	87.4	89.3	84.5	81.6
45°	70.9	72.8	74.8	70.9	69.0
47.5°	62.2	63.1	64.1	61.2	60.2
50°	55.4	55.4	55.4	54.4	54.4
52.5°	50.5	50.5	49.5	48.6	48.6
55°	46.6	45.6	44.7	44.7	45.6
57.5°	43.7	42.7	40.8	41.8	42.7
60°	41.8	39.8	37.9	38.8	39.8
62.5°	38.8	36.9	35.0	35.9	37.9
65°	37.9	34.0	32.0	34.0	36.9
67.5°	36.9	32.0	29.1	32.0	35.9
70°	35.9	30.1	27.2	30.1	35.0
72.5°	35.0	28.2	24.3	28.2	34.0
75°	34.0	26.2	21.4	26.2	33.0
77.5°	32.0	24.3	18.5	24.3	30.1
80°	29.1	22.3	15.5	21.4	26.2
82.5°	21.4	18.5	12.6	18.5	19.4
85°	11.7	12.6	7.8	12.6	11.7
87.5°	1.0	1.9	1.9	5.8	3.9



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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)