

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: P1316618

Luminaire Tested: LDSQA3D13R359740DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316618
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: LDSQA3D13R359740DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

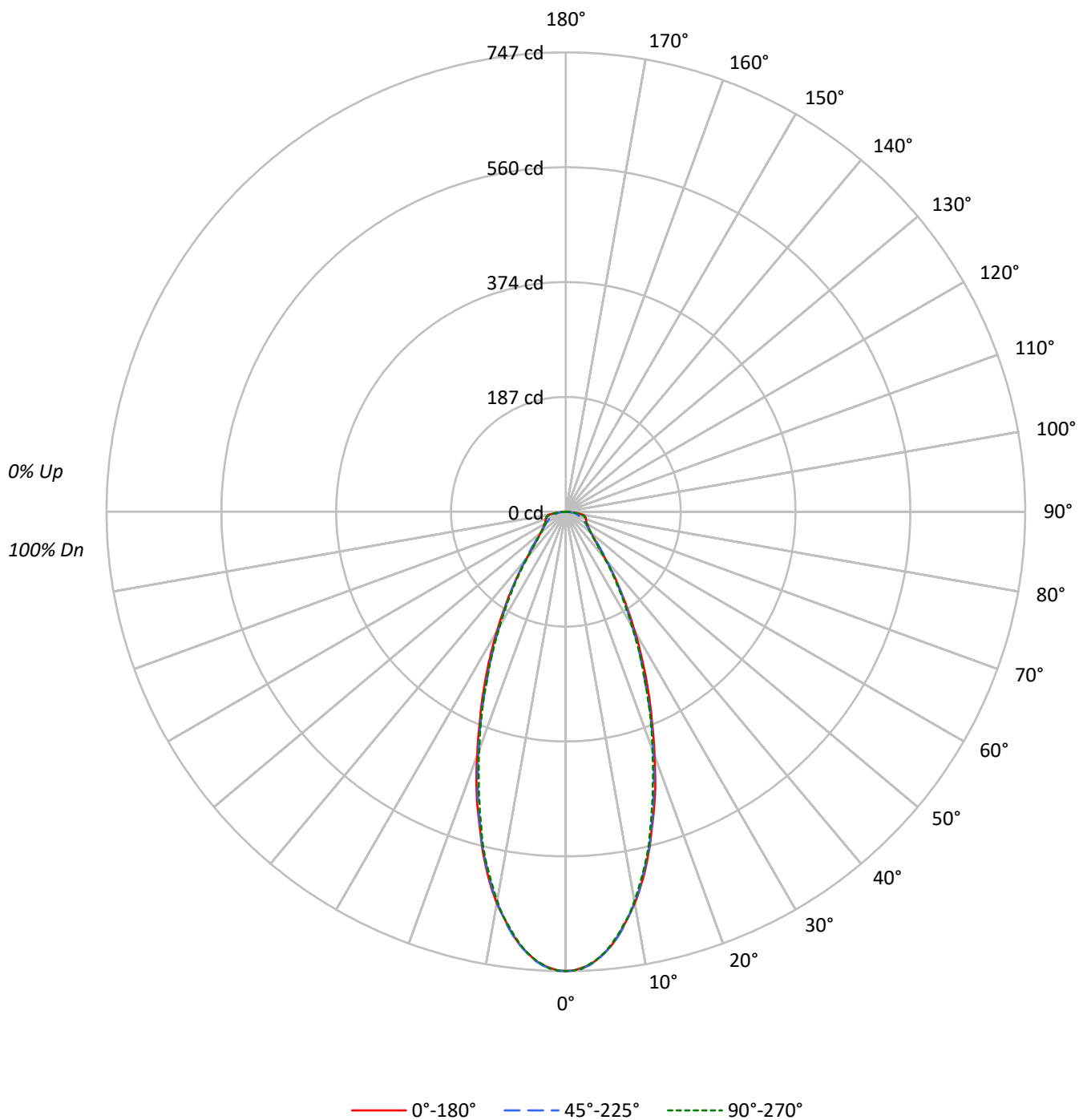
Lumens per Lamp: N/A
Luminaire Lumens: 618.0 lumens
Efficiency: N/A
Efficacy: 42.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	128633	128633	128633
5°	124422	124578	124422
10°	113025	112850	112360
15°	95942	95603	94765
20°	77251	76206	75510
25°	59706	57920	57920
30°	44526	43035	42657
35°	32041	31642	30864
40°	22415	23044	21583
45°	16733	17634	16270
50°	14361	14361	14120
55°	13572	13001	13272
60°	13950	12641	13296
65°	14956	12633	14548
70°	17523	13243	17070
75°	21892	13774	21293
80°	27968	14976	25191
85°	22329	14820	22329

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 27968 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	10.7
10°-20°	148.1	24.0
20°-30°	141.4	22.9
30°-40°	95.0	15.4
40°-50°	55.7	9.0
50°-60°	39.9	6.5
60°-70°	33.2	5.4
70°-80°	27.2	4.4
80°-90°	11.2	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°	355.8	57.6
0°-40°	450.8	72.9
0°-60°	546.4	88.4
0°-90°	618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	618.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	747	747	747	747	747	
5°	720	722	721	720	720	66
15°	538	539	536	532	532	149
25°	314	310	305	305	305	144
35°	152	152	150	148	147	96
45°	69	71	72	69	67	55
55°	45	44	43	43	44	41
65°	37	33	31	33	36	37
75°	33	25	21	25	32	34
85°	11	12	8	12	11	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	746.9	746.9	746.9	746.9	746.9
1°	746.0	746.9	746.9	746.0	746.0
2°	742.2	744.1	743.2	742.2	743.2
3°	737.5	739.4	738.5	737.5	736.6
4°	730.0	731.9	731.0	729.1	729.1
5°	719.7	721.5	720.6	719.7	719.7
6°	709.3	711.2	709.3	707.4	707.4
7°	695.2	698.0	696.1	694.3	693.3
8°	679.2	682.0	680.2	679.2	677.3
9°	663.2	665.1	662.3	662.3	662.3
10°	646.3	647.2	645.3	642.5	642.5
11°	627.5	626.5	625.6	623.7	621.8
12°	606.8	606.8	604.0	602.1	601.1
13°	585.1	584.2	582.3	580.4	580.4
14°	562.6	562.6	560.7	556.9	557.9
15°	538.1	539.0	536.2	532.5	531.5
17.5°	482.6	480.7	476.0	473.2	470.4
20°	421.5	420.5	415.8	413.0	412.0
22.5°	365.0	364.1	359.4	356.5	358.4
25°	314.2	310.4	304.8	304.8	304.8
27.5°	267.2	262.5	258.7	256.8	258.7
30°	223.9	220.1	216.4	215.4	214.5
32.5°	185.3	183.4	181.6	178.7	178.7
35°	152.4	152.4	150.5	147.7	146.8
37.5°	124.2	125.1	124.2	121.4	120.4
40°	99.7	101.6	102.5	99.7	96.0
42.5°	81.8	84.7	86.5	81.8	79.0
45°	68.7	70.6	72.4	68.7	66.8
47.5°	60.2	61.1	62.1	59.3	58.3
50°	53.6	53.6	53.6	52.7	52.7
52.5°	48.9	48.9	48.0	47.0	47.0
55°	45.2	44.2	43.3	43.3	44.2
57.5°	42.3	41.4	39.5	40.5	41.4
60°	40.5	38.6	36.7	37.6	38.6
62.5°	37.6	35.7	33.9	34.8	36.7
65°	36.7	32.9	31.0	32.9	35.7
67.5°	35.7	31.0	28.2	31.0	34.8
70°	34.8	29.2	26.3	29.2	33.9
72.5°	33.9	27.3	23.5	27.3	32.9
75°	32.9	25.4	20.7	25.4	32.0
77.5°	31.0	23.5	17.9	23.5	29.2
80°	28.2	21.6	15.1	20.7	25.4
82.5°	20.7	17.9	12.2	17.9	18.8
85°	11.3	12.2	7.5	12.2	11.3
87.5°	0.9	1.9	1.9	5.6	3.8



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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)