

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: P1313377

Luminaire Tested: LDSQA3D05R359727DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313377
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: LDSQA3D05R359727DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

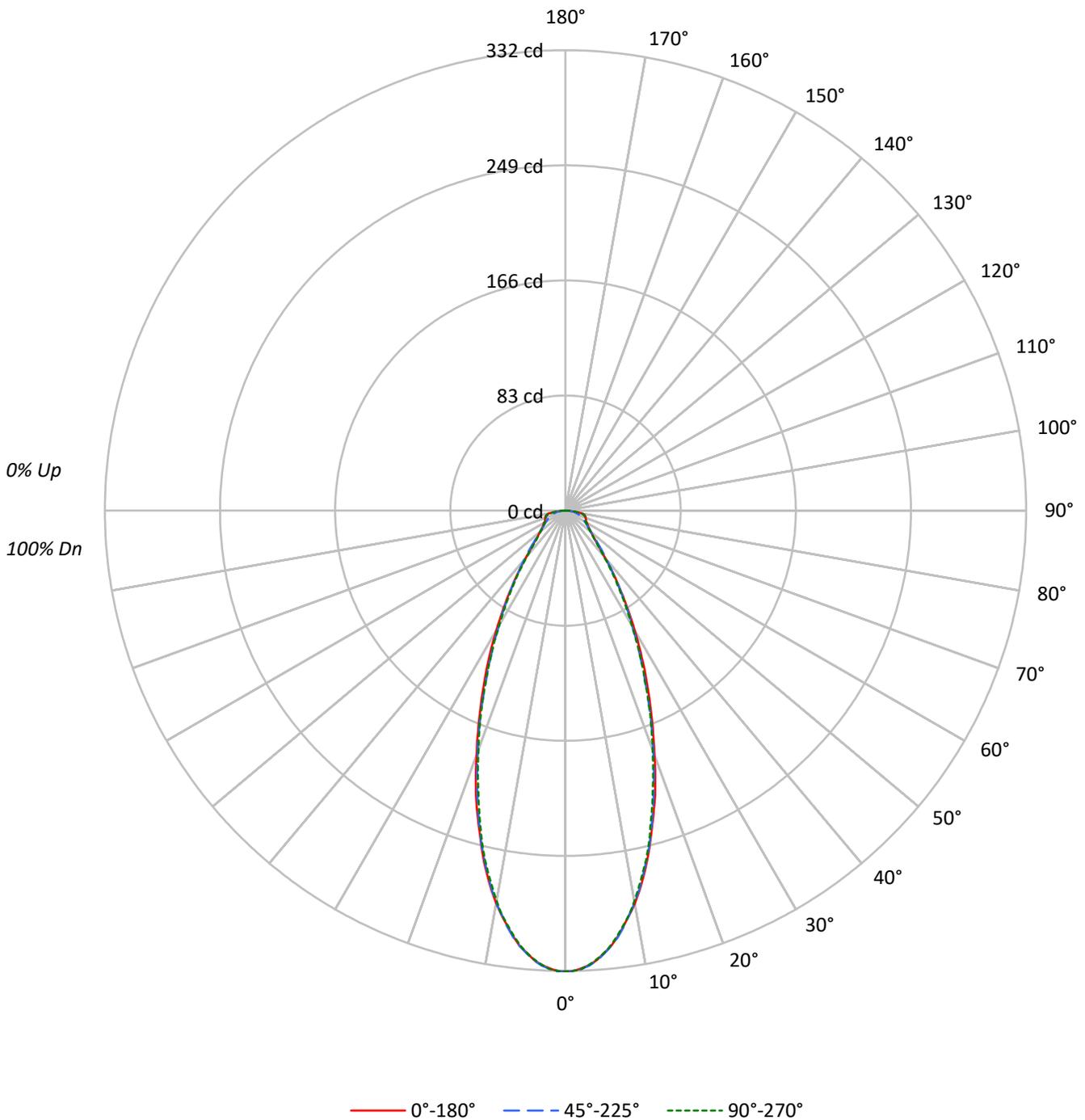
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 275.0 lumens
Efficiency: N/A
Efficacy: 38.2 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): 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		0	
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	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	57247	57247	57247
5°	55356	55443	55356
10°	50295	50225	49998
15°	42685	42542	42167
20°	34364	33906	33613
25°	26566	25768	25768
30°	19807	19151	18972
35°	14255	14086	13729
40°	9982	10252	9600
45°	7453	7843	7234
50°	6404	6404	6270
55°	6035	5795	5915
60°	6200	5614	5924
65°	6642	5624	6479
70°	7805	5891	7604
75°	9782	6122	9449
80°	12497	6645	11207
85°	9880	6521	9880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 12497 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	10.7
10°-20°	65.9	24.0
20°-30°	62.9	22.9
30°-40°	42.3	15.4
40°-50°	24.8	9.0
50°-60°	17.7	6.5
60°-70°	14.8	5.4
70°-80°	12.1	4.4
80°-90°	5.0	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°	158.3	57.6
0°-40°	200.6	72.9
0°-60°	243.1	88.4
0°-90°	275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	275.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	332	332	332	332	332	
5°	320	321	321	320	320	30
15°	239	240	239	237	236	66
25°	140	138	136	136	136	64
35°	68	68	67	66	65	43
45°	31	31	32	31	30	25
55°	20	20	19	19	20	18
65°	16	15	14	15	16	16
75°	15	11	9	11	14	15
85°	5	5	3	5	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	332.4	332.4	332.4	332.4	332.4
1°	332.0	332.4	332.4	332.0	332.0
2°	330.3	331.1	330.7	330.3	330.7
3°	328.2	329.0	328.6	328.2	327.8
4°	324.8	325.7	325.3	324.4	324.4
5°	320.2	321.1	320.7	320.2	320.2
6°	315.6	316.5	315.6	314.8	314.8
7°	309.4	310.6	309.8	308.9	308.5
8°	302.2	303.5	302.7	302.2	301.4
9°	295.1	296.0	294.7	294.7	294.7
10°	287.6	288.0	287.2	285.9	285.9
11°	279.2	278.8	278.4	277.5	276.7
12°	270.0	270.0	268.7	267.9	267.5
13°	260.4	260.0	259.1	258.3	258.3
14°	250.3	250.3	249.5	247.8	248.2
15°	239.4	239.9	238.6	236.9	236.5
17.5°	214.7	213.9	211.8	210.6	209.3
20°	187.5	187.1	185.0	183.8	183.4
22.5°	162.4	162.0	159.9	158.7	159.5
25°	139.8	138.1	135.6	135.6	135.6
27.5°	118.9	116.8	115.1	114.3	115.1
30°	99.6	98.0	96.3	95.9	95.4
32.5°	82.5	81.6	80.8	79.5	79.5
35°	67.8	67.8	67.0	65.7	65.3
37.5°	55.3	55.7	55.3	54.0	53.6
40°	44.4	45.2	45.6	44.4	42.7
42.5°	36.4	37.7	38.5	36.4	35.2
45°	30.6	31.4	32.2	30.6	29.7
47.5°	26.8	27.2	27.6	26.4	26.0
50°	23.9	23.9	23.9	23.4	23.4
52.5°	21.8	21.8	21.3	20.9	20.9
55°	20.1	19.7	19.3	19.3	19.7
57.5°	18.8	18.4	17.6	18.0	18.4
60°	18.0	17.2	16.3	16.7	17.2
62.5°	16.7	15.9	15.1	15.5	16.3
65°	16.3	14.7	13.8	14.7	15.9
67.5°	15.9	13.8	12.6	13.8	15.5
70°	15.5	13.0	11.7	13.0	15.1
72.5°	15.1	12.1	10.5	12.1	14.7
75°	14.7	11.3	9.2	11.3	14.2
77.5°	13.8	10.5	8.0	10.5	13.0
80°	12.6	9.6	6.7	9.2	11.3
82.5°	9.2	8.0	5.4	8.0	8.4
85°	5.0	5.4	3.3	5.4	5.0
87.5°	0.4	0.8	0.8	2.5	1.7



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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)