

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: P1315478

Luminaire Tested: LDSQA3D09R359735DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315478
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: LDSQA3D09R359735DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

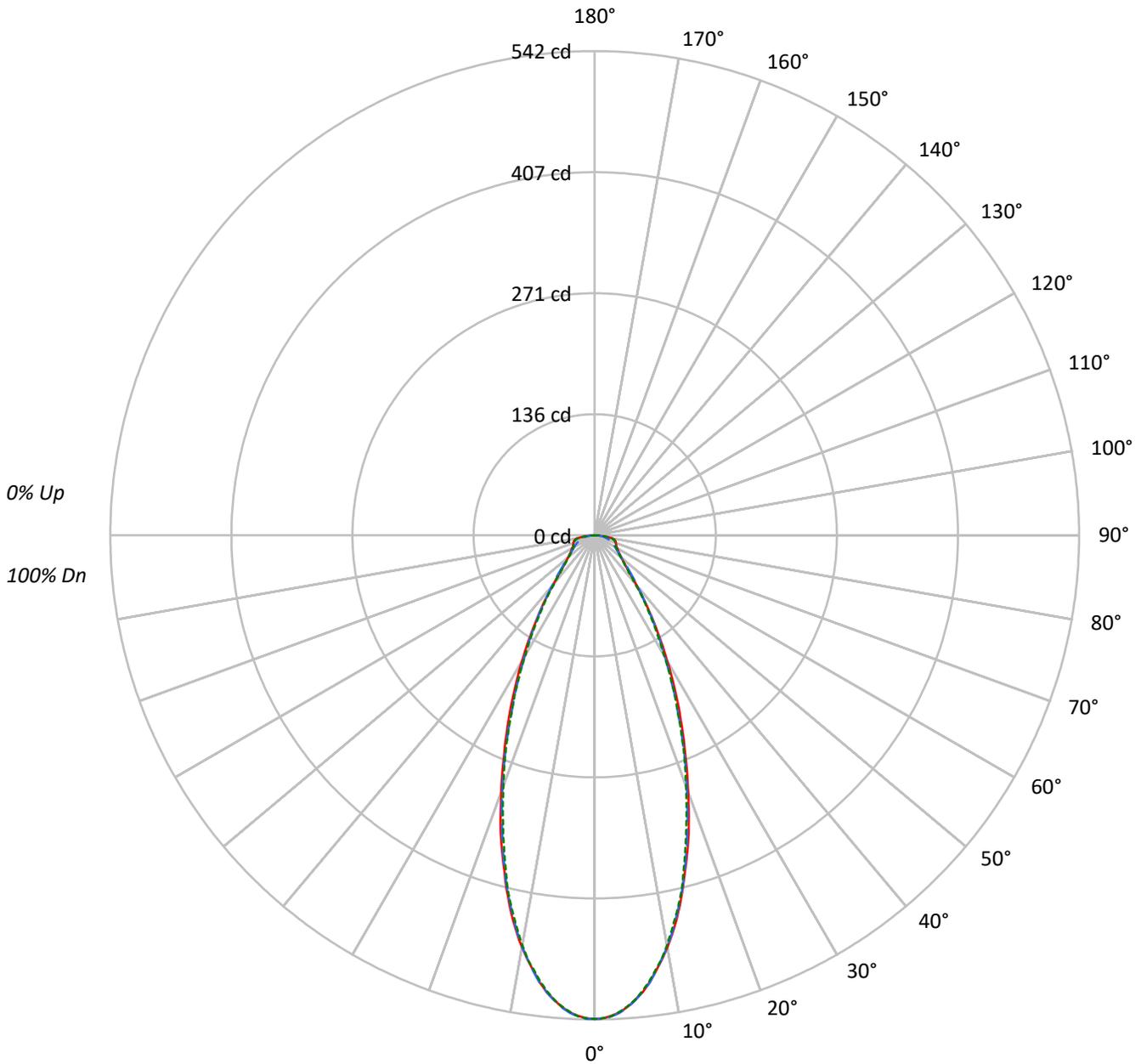
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 448.0 lumens
Efficiency: N/A
Efficacy: 40.4 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): 11.1
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



— 0°-180° - - 45°-225° ···· 90°-270°



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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°	93259	93259	93259
5°	90192	90313	90192
10°	81931	81809	81459
15°	69554	69304	68698
20°	55991	55239	54744
25°	43288	41996	41996
30°	32276	31202	30924
35°	23232	22938	22370
40°	16255	16704	15648
45°	12129	12787	11788
50°	10423	10423	10235
55°	9819	9428	9638
60°	10092	9162	9644
65°	10840	9169	10555
70°	12689	9618	12387
75°	15903	9981	15438
80°	20332	10811	18249
85°	16203	10868	16203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 20332 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	10.7
10°-20°	107.3	24.0
20°-30°	102.5	22.9
30°-40°	68.9	15.4
40°-50°	40.4	9.0
50°-60°	28.9	6.5
60°-70°	24.1	5.4
70°-80°	19.7	4.4
80°-90°	8.1	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°	257.9	57.6
0°-40°	326.8	72.9
0°-60°	396.1	88.4
0°-90°	448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	448.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	542	542	542	542	542	
5°	522	523	522	522	522	48
15°	390	391	389	386	385	108
25°	228	225	221	221	221	105
35°	110	110	109	107	106	70
45°	50	51	52	50	48	40
55°	33	32	31	31	32	30
65°	27	24	22	24	26	27
75°	24	18	15	18	23	25
85°	8	9	6	9	8	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	541.5	541.5	541.5	541.5	541.5
1°	540.8	541.5	541.5	540.8	540.8
2°	538.1	539.4	538.7	538.1	538.7
3°	534.7	536.0	535.3	534.7	534.0
4°	529.2	530.6	529.9	528.5	528.5
5°	521.7	523.1	522.4	521.7	521.7
6°	514.2	515.6	514.2	512.8	512.8
7°	504.0	506.0	504.6	503.3	502.6
8°	492.4	494.4	493.1	492.4	491.0
9°	480.8	482.1	480.1	480.1	480.1
10°	468.5	469.2	467.8	465.8	465.8
11°	454.9	454.2	453.5	452.1	450.8
12°	439.9	439.9	437.8	436.5	435.8
13°	424.2	423.5	422.1	420.8	420.8
14°	407.8	407.8	406.4	403.7	404.4
15°	390.1	390.8	388.7	386.0	385.3
17.5°	349.8	348.5	345.1	343.0	341.0
20°	305.5	304.8	301.4	299.4	298.7
22.5°	264.6	263.9	260.5	258.5	259.8
25°	227.8	225.0	221.0	221.0	221.0
27.5°	193.7	190.3	187.5	186.2	187.5
30°	162.3	159.6	156.9	156.2	155.5
32.5°	134.3	133.0	131.6	129.6	129.6
35°	110.5	110.5	109.1	107.1	106.4
37.5°	90.0	90.7	90.0	88.0	87.3
40°	72.3	73.7	74.3	72.3	69.6
42.5°	59.3	61.4	62.7	59.3	57.3
45°	49.8	51.1	52.5	49.8	48.4
47.5°	43.6	44.3	45.0	43.0	42.3
50°	38.9	38.9	38.9	38.2	38.2
52.5°	35.5	35.5	34.8	34.1	34.1
55°	32.7	32.1	31.4	31.4	32.1
57.5°	30.7	30.0	28.6	29.3	30.0
60°	29.3	28.0	26.6	27.3	28.0
62.5°	27.3	25.9	24.6	25.2	26.6
65°	26.6	23.9	22.5	23.9	25.9
67.5°	25.9	22.5	20.5	22.5	25.2
70°	25.2	21.1	19.1	21.1	24.6
72.5°	24.6	19.8	17.0	19.8	23.9
75°	23.9	18.4	15.0	18.4	23.2
77.5°	22.5	17.0	13.0	17.0	21.1
80°	20.5	15.7	10.9	15.0	18.4
82.5°	15.0	13.0	8.9	13.0	13.6
85°	8.2	8.9	5.5	8.9	8.2
87.5°	0.7	1.4	1.4	4.1	2.7



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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)