

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: P1319822

Luminaire Tested: LDSQA3D05R309840DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309840DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

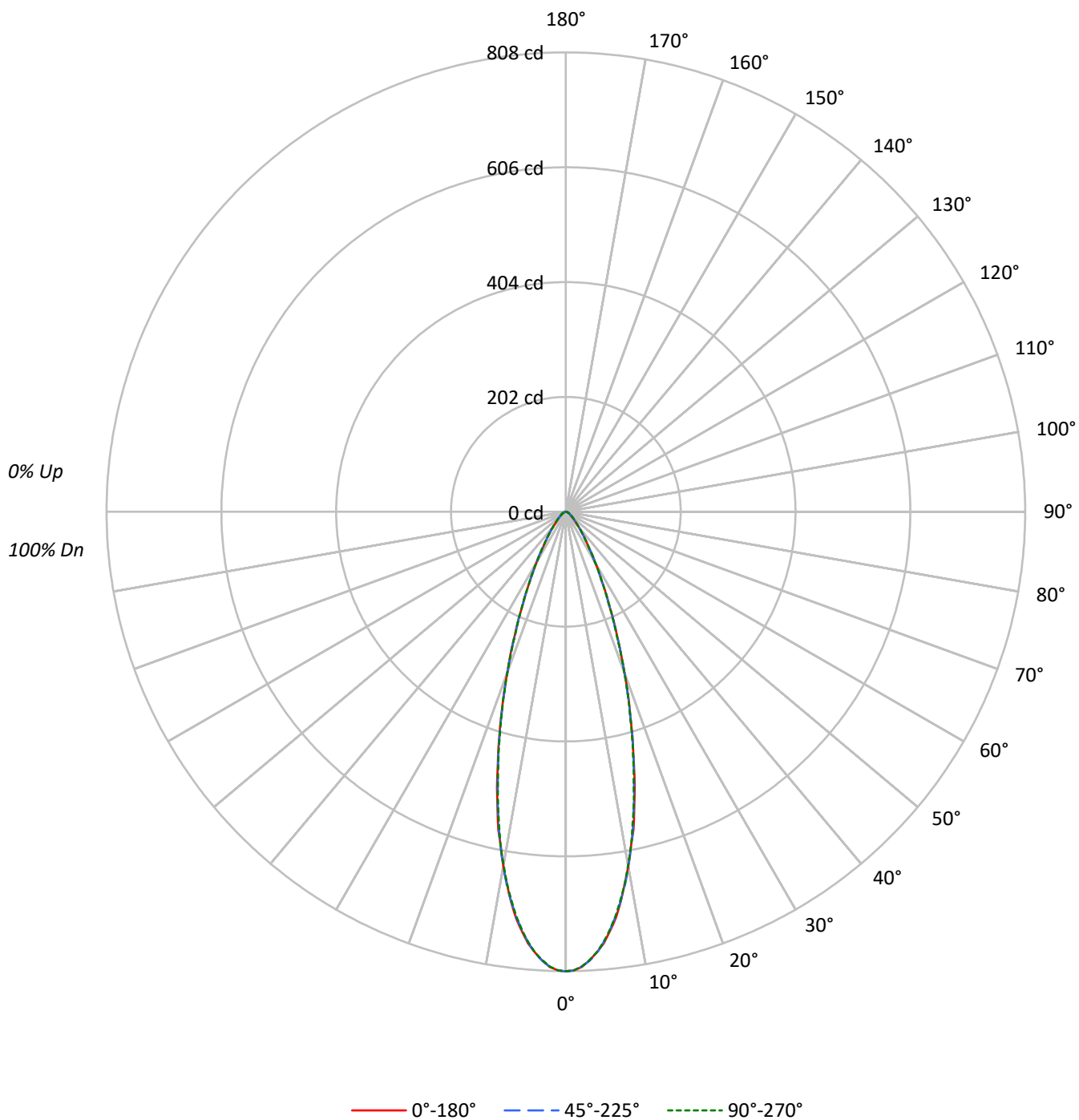
Lumens per Lamp: N/A
Luminaire Lumens: 355.0 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	100		
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94		
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88		
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83		
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78		
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74		
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70		
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66		
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63		
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61		
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	139208	139208	139208
5°	131804	131458	131389
10°	110734	110734	110314
15°	82498	82285	81803
20°	55221	54928	55001
25°	34034	33958	34110
30°	20463	20463	20543
35°	12552	12552	12636
40°	7936	7936	8116
45°	5456	5553	5553
50°	3992	3992	3992
55°	3063	3183	3183
60°	2583	2583	2721
65°	2241	2241	2241
70°	1964	2165	2165
75°	1797	1797	1797
80°	1587	1587	1587
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5553 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	19.3
10°-20°	126.5	35.6
20°-30°	84.1	23.7
30°-40°	38.9	11.0
40°-50°	18.1	5.1
50°-60°	9.6	2.7
60°-70°	5.6	1.6
70°-80°	3.0	0.8
80°-90°	0.7	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°	279.2	78.6
0°-40°	318.1	89.6
0°-60°	345.8	97.4
0°-90°	355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	355.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	808	808	808	808	808	
5°	762	761	760	762	760	69
15°	463	464	462	462	459	127
25°	179	179	179	179	180	84
35°	60	59	60	60	60	39
45°	22	22	23	23	23	18
55°	10	11	11	11	11	9
65°	6	6	6	6	6	5
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	808.3	808.3	808.3	808.3	808.3
1°	806.8	806.0	806.8	807.9	806.4
2°	801.3	800.5	800.5	802.1	800.5
3°	790.7	791.4	791.1	792.6	789.9
4°	777.3	776.9	778.5	779.3	776.9
5°	762.4	760.8	760.4	762.4	760.0
6°	742.0	740.8	740.0	742.3	739.2
7°	720.0	719.2	718.0	718.8	716.4
8°	692.9	692.5	691.7	692.5	689.7
9°	662.6	662.6	664.2	663.8	662.2
10°	633.2	633.9	633.2	633.9	630.8
11°	600.2	600.2	600.9	600.6	600.9
12°	571.5	568.3	567.6	566.8	564.4
13°	534.6	532.2	531.4	532.2	531.0
14°	500.8	499.2	495.3	496.1	494.5
15°	462.7	464.3	461.5	461.5	458.8
17.5°	378.2	376.7	377.5	377.9	376.7
20°	301.3	300.5	299.7	298.9	300.1
22.5°	234.1	234.5	233.7	232.9	232.1
25°	179.1	178.7	178.7	178.7	179.5
27.5°	135.9	135.9	135.9	136.3	136.3
30°	102.9	102.1	102.9	103.3	103.3
32.5°	77.0	77.8	78.2	78.2	78.2
35°	59.7	59.3	59.7	60.1	60.1
37.5°	45.6	45.6	46.0	46.0	46.3
40°	35.3	35.3	35.3	35.7	36.1
42.5°	27.9	27.9	28.3	28.3	28.7
45°	22.4	22.4	22.8	22.8	22.8
47.5°	18.1	18.1	18.5	18.5	18.5
50°	14.9	14.9	14.9	14.9	14.9
52.5°	12.6	12.2	12.6	12.6	12.6
55°	10.2	10.6	10.6	10.6	10.6
57.5°	8.6	9.0	9.0	9.0	9.0
60°	7.5	7.5	7.5	7.9	7.9
62.5°	6.3	6.7	6.7	6.7	6.7
65°	5.5	5.5	5.5	5.5	5.5
67.5°	4.7	4.7	4.7	4.7	5.1
70°	3.9	3.9	4.3	4.3	4.3
72.5°	3.5	3.5	3.5	3.5	3.5
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.0	2.0	2.4	2.4	2.0
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0



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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)