

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: P1318910

Luminaire Tested: LDSQA3D05R209835DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209835DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

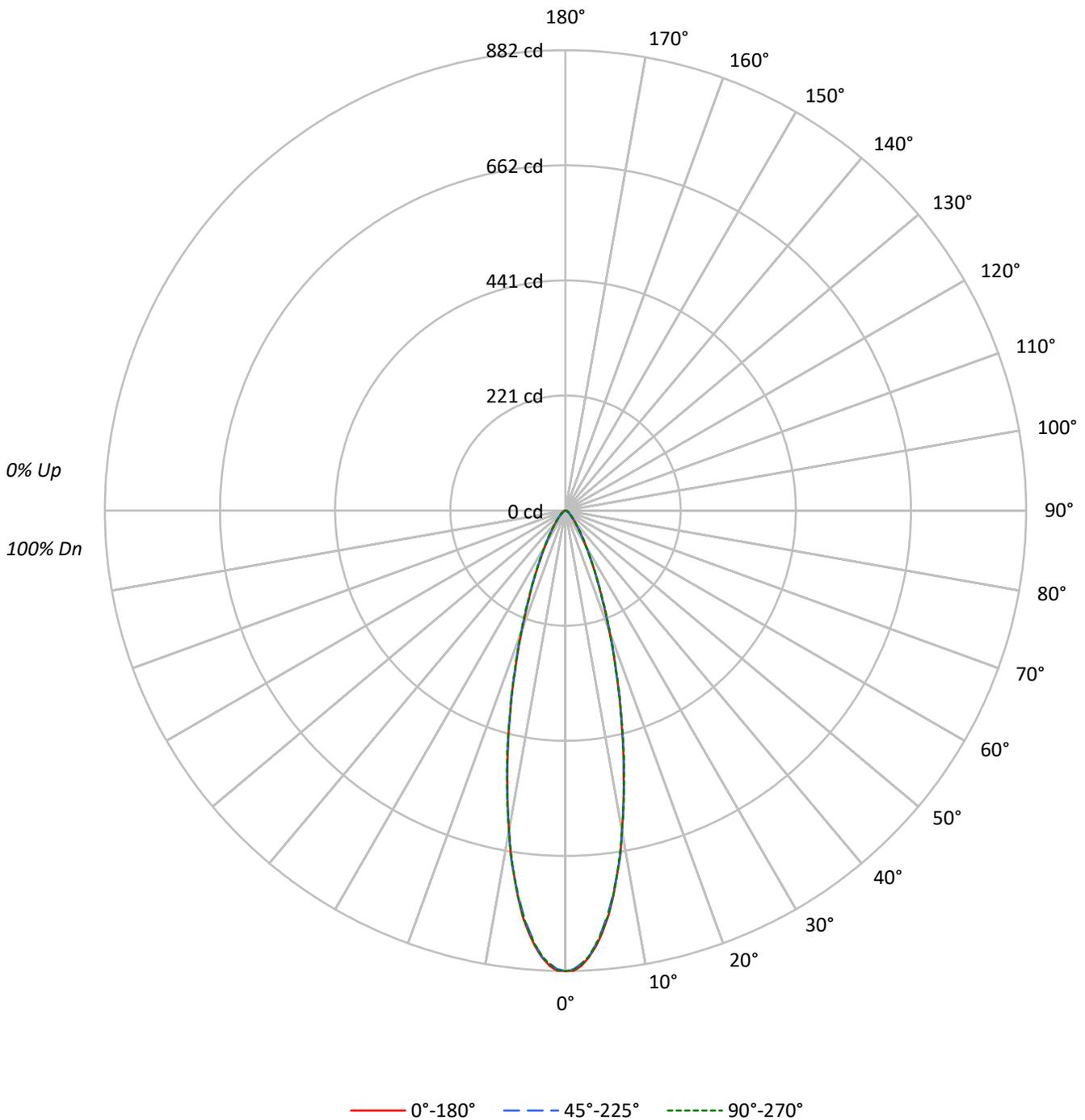
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 310.0 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
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

TEST NUMBER: P1318910
CATALOG NUMBER: LDSQA3D05R209835DE010 3LSQPHRL1MB

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	151918	151918	151918
5°	140154	139359	139826
10°	108758	108897	108897
15°	73512	73851	73851
20°	44646	45214	45416
25°	26186	26566	26490
30°	15273	15591	15671
35°	9335	9587	9587
40°	6070	6160	6250
45°	4238	4335	4408
50°	3108	3215	3215
55°	2432	2552	2552
60°	2136	2136	2273
65°	1875	1875	2038
70°	1762	1762	1762
75°	1530	1530	1530
80°	1190	1190	1488
85°	790	790	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 4408 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	22.9
10°-20°	113.9	36.7
20°-30°	66.0	21.3
30°-40°	29.6	9.5
40°-50°	14.0	4.5
50°-60°	7.7	2.5
60°-70°	4.7	1.5
70°-80°	2.5	0.8
80°-90°	0.6	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°	251.0	81.0
0°-40°	280.6	90.5
0°-60°	302.3	97.5
0°-90°	310.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	310.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	882	882	882	882	882	
5°	811	808	806	808	809	71
15°	412	412	414	412	414	114
25°	138	138	140	139	139	65
35°	44	45	46	46	46	29
45°	17	17	18	18	18	14
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	2	2
85°	0	0	0	0	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	882.1	882.1	882.1	882.1	882.1
1°	881.7	879.4	878.7	877.9	880.2
2°	872.9	870.2	868.6	869.4	869.8
3°	857.0	855.5	855.5	854.3	855.1
4°	836.6	833.5	833.5	833.9	833.9
5°	810.7	808.0	806.1	807.6	808.8
6°	781.8	778.3	776.7	777.1	779.8
7°	746.2	741.6	742.4	744.3	744.3
8°	706.1	705.7	706.5	705.7	706.5
9°	669.0	663.6	668.3	664.4	666.3
10°	621.9	621.5	622.7	623.9	622.7
12.5°	514.6	516.5	517.3	515.8	519.2
15°	412.3	412.3	414.2	412.3	414.2
17.5°	320.8	320.4	322.0	320.4	322.7
20°	243.6	246.3	246.7	246.7	247.8
22.5°	183.8	183.8	185.3	185.7	184.9
25°	137.8	137.8	139.8	138.6	139.4
27.5°	101.9	102.7	104.2	105.0	105.0
30°	76.8	77.2	78.4	78.8	78.8
32.5°	57.9	58.7	59.5	59.8	60.2
35°	44.4	44.8	45.6	45.9	45.6
37.5°	34.0	34.4	35.1	35.5	35.5
40°	27.0	27.0	27.4	27.8	27.8
42.5°	21.2	21.6	21.6	22.0	22.0
45°	17.4	17.4	17.8	17.8	18.1
47.5°	13.9	13.9	14.3	14.7	14.7
50°	11.6	11.6	12.0	12.0	12.0
52.5°	9.7	9.7	10.0	10.0	10.0
55°	8.1	8.1	8.5	8.5	8.5
57.5°	6.9	6.9	7.3	7.3	7.3
60°	6.2	6.2	6.2	6.2	6.6
62.5°	5.4	5.4	5.4	5.4	5.4
65°	4.6	4.6	4.6	4.6	5.0
67.5°	3.9	3.9	3.9	3.9	4.2
70°	3.5	3.5	3.5	3.5	3.5
72.5°	2.7	2.7	2.7	3.1	3.1
75°	2.3	2.3	2.3	2.3	2.3
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.2	1.2	1.2	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)