

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: P1308893

Luminaire Tested: LDSQA3D05R209030DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308893
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: LDSQA3D05R209030DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

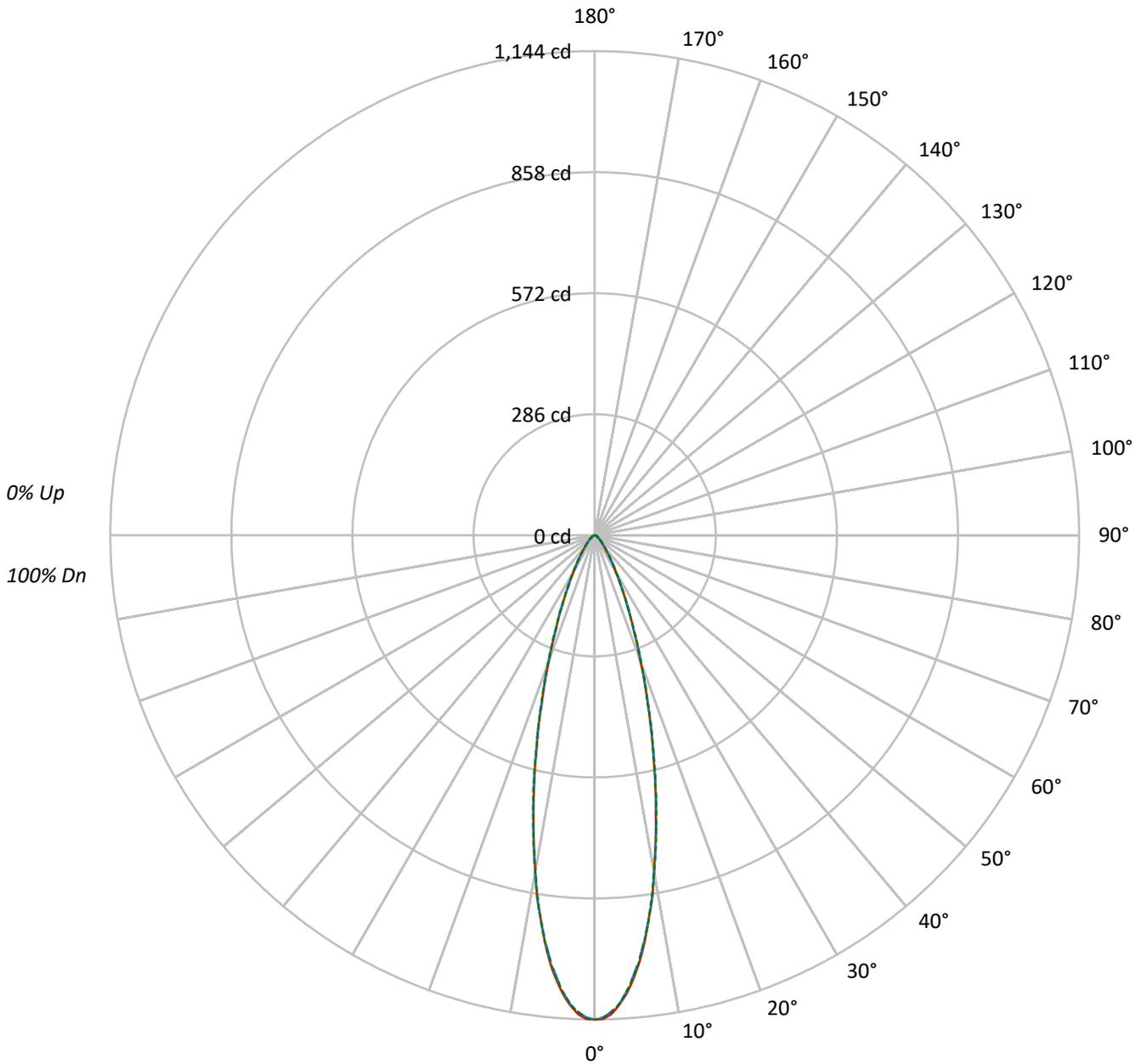
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 402.0 lumens
Efficiency: N/A
Efficacy: 55.8 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 (A_{in}): 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: P1308893
CATALOG NUMBER: LDSQA3D05R209030DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - · - · 90°-270°



TEST NUMBER: P1308893

CATALOG NUMBER: LDSQA3D05R209030DE010 3LSQPHRL1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	197005	197005	197005
5°	181749	180712	181317
10°	141040	141215	141215
15°	95336	95782	95782
20°	57897	58630	58905
25°	33958	34433	34338
30°	19807	20205	20304
35°	12110	12425	12425
40°	7869	7981	8094
45°	5480	5602	5724
50°	4019	4153	4153
55°	3153	3303	3303
60°	2756	2756	2928
65°	2445	2445	2649
70°	2266	2266	2266
75°	1996	1996	1996
80°	1488	1488	1984
85°	988	988	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5724 cd/sqm



TEST NUMBER: P1308893

CATALOG NUMBER: LDSQA3D05R209030DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	22.9
10°-20°	147.7	36.7
20°-30°	85.5	21.3
30°-40°	38.4	9.5
40°-50°	18.2	4.5
50°-60°	9.9	2.5
60°-70°	6.0	1.5
70°-80°	3.2	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°	325.5	81.0
0°-40°	363.9	90.5
0°-60°	392.0	97.5
0°-90°	402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	402.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1051	1048	1045	1047	1049	92
15°	535	535	537	535	537	147
25°	179	179	181	180	181	85
35°	58	58	59	60	59	38
45°	22	22	23	23	24	18
55°	10	10	11	11	11	10
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	



TEST NUMBER: P1308893

CATALOG NUMBER: LDSQA3D05R209030DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1143.9	1143.9	1143.9	1143.9	1143.9
1°	1143.4	1140.4	1139.4	1138.4	1141.4
2°	1131.9	1128.4	1126.4	1127.4	1127.9
3°	1111.4	1109.4	1109.4	1107.9	1108.9
4°	1084.8	1080.8	1080.8	1081.3	1081.3
5°	1051.3	1047.8	1045.3	1047.3	1048.8
6°	1013.8	1009.3	1007.2	1007.8	1011.3
7°	967.7	961.7	962.7	965.2	965.2
8°	915.6	915.1	916.1	915.1	916.1
9°	867.6	860.6	866.6	861.6	864.1
10°	806.5	806.0	807.5	809.0	807.5
12.5°	667.3	669.8	670.8	668.8	673.3
15°	534.7	534.7	537.2	534.7	537.2
17.5°	416.0	415.5	417.5	415.5	418.5
20°	315.9	319.4	319.9	319.9	321.4
22.5°	238.3	238.3	240.3	240.8	239.8
25°	178.7	178.7	181.2	179.7	180.7
27.5°	132.2	133.2	135.2	136.2	136.2
30°	99.6	100.1	101.6	102.1	102.1
32.5°	75.1	76.1	77.1	77.6	78.1
35°	57.6	58.1	59.1	59.6	59.1
37.5°	44.1	44.6	45.6	46.1	46.1
40°	35.0	35.0	35.5	36.0	36.0
42.5°	27.5	28.0	28.0	28.5	28.5
45°	22.5	22.5	23.0	23.0	23.5
47.5°	18.0	18.0	18.5	19.0	19.0
50°	15.0	15.0	15.5	15.5	15.5
52.5°	12.5	12.5	13.0	13.0	13.0
55°	10.5	10.5	11.0	11.0	11.0
57.5°	9.0	9.0	9.5	9.5	9.5
60°	8.0	8.0	8.0	8.0	8.5
62.5°	7.0	7.0	7.0	7.0	7.0
65°	6.0	6.0	6.0	6.0	6.5
67.5°	5.0	5.0	5.0	5.0	5.5
70°	4.5	4.5	4.5	4.5	4.5
72.5°	3.5	3.5	3.5	4.0	4.0
75°	3.0	3.0	3.0	3.0	3.0
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.5	1.5	1.5	2.0	2.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)