

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: P1307501

Luminaire Tested: LDSQA3D20R459024D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R459024D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

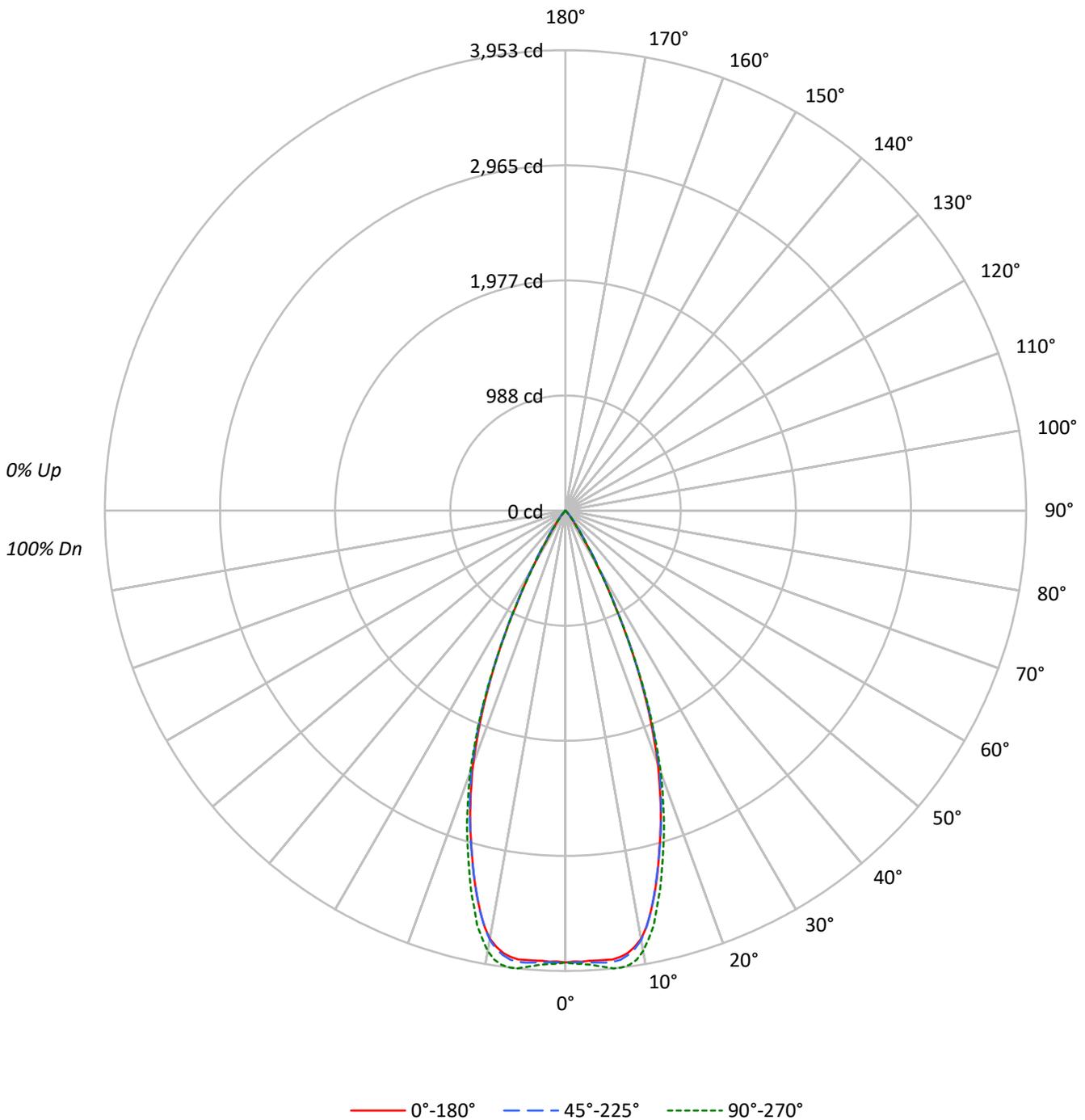
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2006.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1307501
CATALOG NUMBER: LDSQA3D20R459024D010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1307501
 CATALOG NUMBER: LDSQA3D20R459024D010 3LSQCDR1MMS

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	668224	668224	668224
5°	669739	673612	680302
10°	652965	654276	671485
15°	550869	551137	569216
20°	425236	431247	438358
25°	263814	264080	265790
30°	108819	115640	107049
35°	33849	41376	32609
40°	10387	14411	9712
45°	731	5456	731
50°	0	804	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5456 cd/sqm



TEST NUMBER: P1307501

CATALOG NUMBER: LDSQA3D20R459024D010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.3	18.4
10°-20°	858.6	42.8
20°-30°	629.8	31.4
30°-40°	135.3	6.7
40°-50°	12.9	0.6
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1857.7	92.6
0°-40°	1993.0	99.4
0°-60°	2006.0	100.0
0°-90°	2006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3880	3880	3880	3880	3880	
5°	3874	3884	3896	3923	3935	366
15°	3090	3084	3091	3140	3192	851
25°	1388	1384	1390	1390	1399	623
35°	161	173	197	168	155	127
45°	3	9	22	9	3	8
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1307501
 CATALOG NUMBER: LDSQA3D20R459024D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3880.0	3880.0	3880.0	3880.0	3880.0
1°	3872.5	3881.4	3881.4	3887.4	3890.4
2°	3875.5	3881.4	3880.0	3890.4	3894.9
3°	3871.0	3881.4	3884.4	3896.4	3903.8
4°	3872.5	3881.4	3890.4	3908.3	3918.7
5°	3874.0	3884.4	3896.4	3923.2	3935.1
6°	3875.5	3882.9	3896.4	3930.7	3953.0
7°	3860.6	3871.0	3885.9	3929.2	3953.0
8°	3836.7	3842.7	3854.6	3911.3	3939.6
9°	3792.0	3790.5	3808.4	3871.0	3903.8
10°	3733.8	3715.9	3741.3	3803.9	3839.7
11°	3639.9	3620.5	3642.9	3710.0	3744.3
12°	3517.6	3517.6	3522.1	3581.7	3641.4
13°	3387.9	3373.0	3381.9	3449.0	3490.8
14°	3244.7	3229.8	3238.8	3289.5	3355.1
15°	3089.6	3083.7	3091.1	3140.3	3192.5
17.5°	2721.3	2707.9	2734.8	2784.0	2810.8
20°	2320.2	2342.6	2353.0	2384.3	2391.8
22.5°	1859.5	1883.3	1898.2	1902.7	1907.2
25°	1388.3	1383.8	1389.7	1389.7	1398.7
27.5°	912.6	912.6	929.0	918.5	908.1
30°	547.2	569.6	581.5	562.2	538.3
32.5°	298.2	320.6	340.0	311.6	290.8
35°	161.0	173.0	196.8	168.5	155.1
37.5°	88.0	98.4	113.3	95.4	88.0
40°	46.2	56.7	64.1	56.7	43.2
42.5°	14.9	28.3	37.3	28.3	13.4
45°	3.0	8.9	22.4	8.9	3.0
47.5°	0.0	1.5	10.4	1.5	0.0
50°	0.0	0.0	3.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1307501
CATALOG NUMBER: LDSQA3D20R459024D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)