

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: P1311810

Luminaire Tested: LDSQA3D20R359040D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311810
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: LDSQA3D20R359040D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

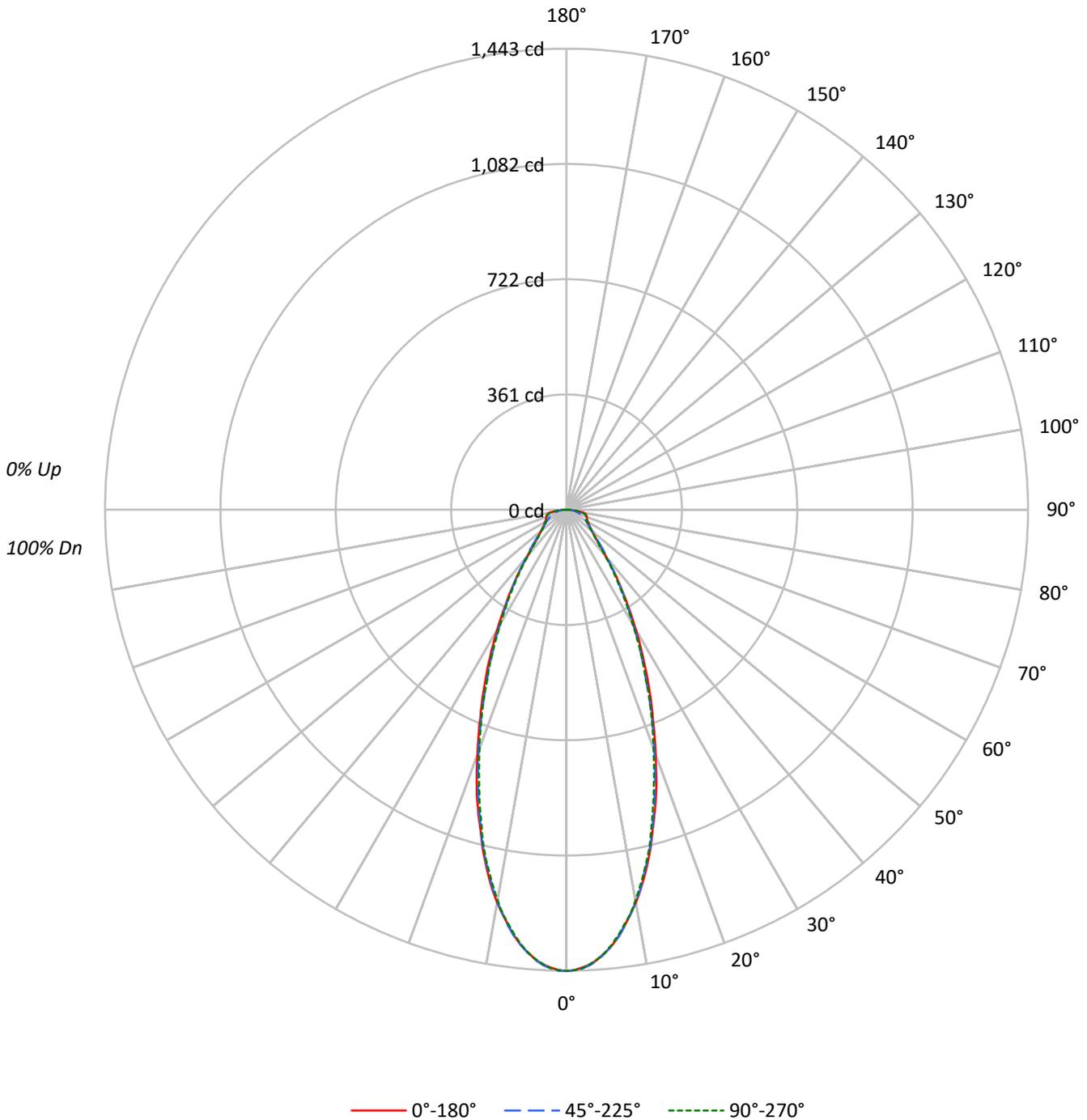
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1194.0 lumens
Efficiency: N/A
Efficacy: 41.5 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): 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: P1311810
CATALOG NUMBER: LDSQA3D20R359040D010 3LSQPHRLP1MW

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	100	100	100	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89	89	89	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79	79	79	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72	72	72	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	66	62	60	60	60	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	56	56	56	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	52	52	52	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49	49	49	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46	46	46	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	248534	248534	248534
5°	240373	240684	240373
10°	218372	218040	217095
15°	185359	184717	183094
20°	149241	147244	145906
25°	115365	111907	111907
30°	86029	83126	82410
35°	61896	61139	59604
40°	43323	44537	41682
45°	32320	34098	31419
50°	27758	27758	27275
55°	26183	25102	25642
60°	26936	24421	25661
65°	28893	24451	28159
70°	33838	25630	32932
75°	42321	26617	41123
80°	54053	28861	48697
85°	43078	28652	43078

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 54053 cd/sqm



TEST NUMBER: P1311810

CATALOG NUMBER: LDSQA3D20R359040D010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	10.7
10°-20°	286.0	24.0
20°-30°	273.2	22.9
30°-40°	183.5	15.4
40°-50°	107.7	9.0
50°-60°	77.0	6.5
60°-70°	64.1	5.4
70°-80°	52.6	4.4
80°-90°	21.6	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°	687.4	57.6
0°-40°	870.9	72.9
0°-60°	1055.6	88.4
0°-90°	1194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1194.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1443	1443	1443	1443	1443	
5°	1390	1394	1392	1390	1390	128
15°	1040	1042	1036	1029	1027	288
25°	607	600	589	589	589	279
35°	294	294	291	285	284	186
45°	133	136	140	133	129	107
55°	87	85	84	84	85	79
65°	71	64	60	64	69	71
75°	64	49	40	49	62	66
85°	22	24	14	24	22	25
90°	0	0	0	0	0	



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 CATALOG NUMBER: LDSQA3D20R359040D010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1443.1	1443.1	1443.1	1443.1	1443.1
1°	1441.3	1443.1	1443.1	1441.3	1441.3
2°	1434.0	1437.7	1435.9	1434.0	1435.9
3°	1425.0	1428.6	1426.8	1425.0	1423.1
4°	1410.4	1414.0	1412.2	1408.6	1408.6
5°	1390.4	1394.1	1392.2	1390.4	1390.4
6°	1370.4	1374.1	1370.4	1366.8	1366.8
7°	1343.2	1348.6	1345.0	1341.3	1339.5
8°	1312.3	1317.7	1314.1	1312.3	1308.6
9°	1281.4	1285.0	1279.5	1279.5	1279.5
10°	1248.7	1250.5	1246.8	1241.4	1241.4
11°	1212.3	1210.5	1208.7	1205.0	1201.4
12°	1172.3	1172.3	1166.9	1163.2	1161.4
13°	1130.5	1128.7	1125.1	1121.4	1121.4
14°	1086.9	1086.9	1083.3	1076.0	1077.8
15°	1039.6	1041.5	1036.0	1028.7	1026.9
17.5°	932.4	928.8	919.7	914.2	908.8
20°	814.3	812.4	803.4	797.9	796.1
22.5°	705.2	703.4	694.3	688.8	692.5
25°	607.1	599.8	588.9	588.9	588.9
27.5°	516.2	507.1	499.8	496.2	499.8
30°	432.6	425.3	418.0	416.2	414.4
32.5°	358.1	354.4	350.8	345.3	345.3
35°	294.4	294.4	290.8	285.4	283.5
37.5°	239.9	241.7	239.9	234.5	232.6
40°	192.7	196.3	198.1	192.7	185.4
42.5°	158.1	163.6	167.2	158.1	152.7
45°	132.7	136.3	140.0	132.7	129.0
47.5°	116.3	118.1	120.0	114.5	112.7
50°	103.6	103.6	103.6	101.8	101.8
52.5°	94.5	94.5	92.7	90.9	90.9
55°	87.2	85.4	83.6	83.6	85.4
57.5°	81.8	80.0	76.3	78.2	80.0
60°	78.2	74.5	70.9	72.7	74.5
62.5°	72.7	69.1	65.4	67.2	70.9
65°	70.9	63.6	60.0	63.6	69.1
67.5°	69.1	60.0	54.5	60.0	67.2
70°	67.2	56.3	50.9	56.3	65.4
72.5°	65.4	52.7	45.4	52.7	63.6
75°	63.6	49.1	40.0	49.1	61.8
77.5°	60.0	45.4	34.5	45.4	56.3
80°	54.5	41.8	29.1	40.0	49.1
82.5°	40.0	34.5	23.6	34.5	36.4
85°	21.8	23.6	14.5	23.6	21.8
87.5°	1.8	3.6	3.6	10.9	7.3



TEST NUMBER: P1311810
CATALOG NUMBER: LDSQA3D20R359040D010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)