

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: P1320359

Luminaire Tested: LDSQA3D20R159840D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159840D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

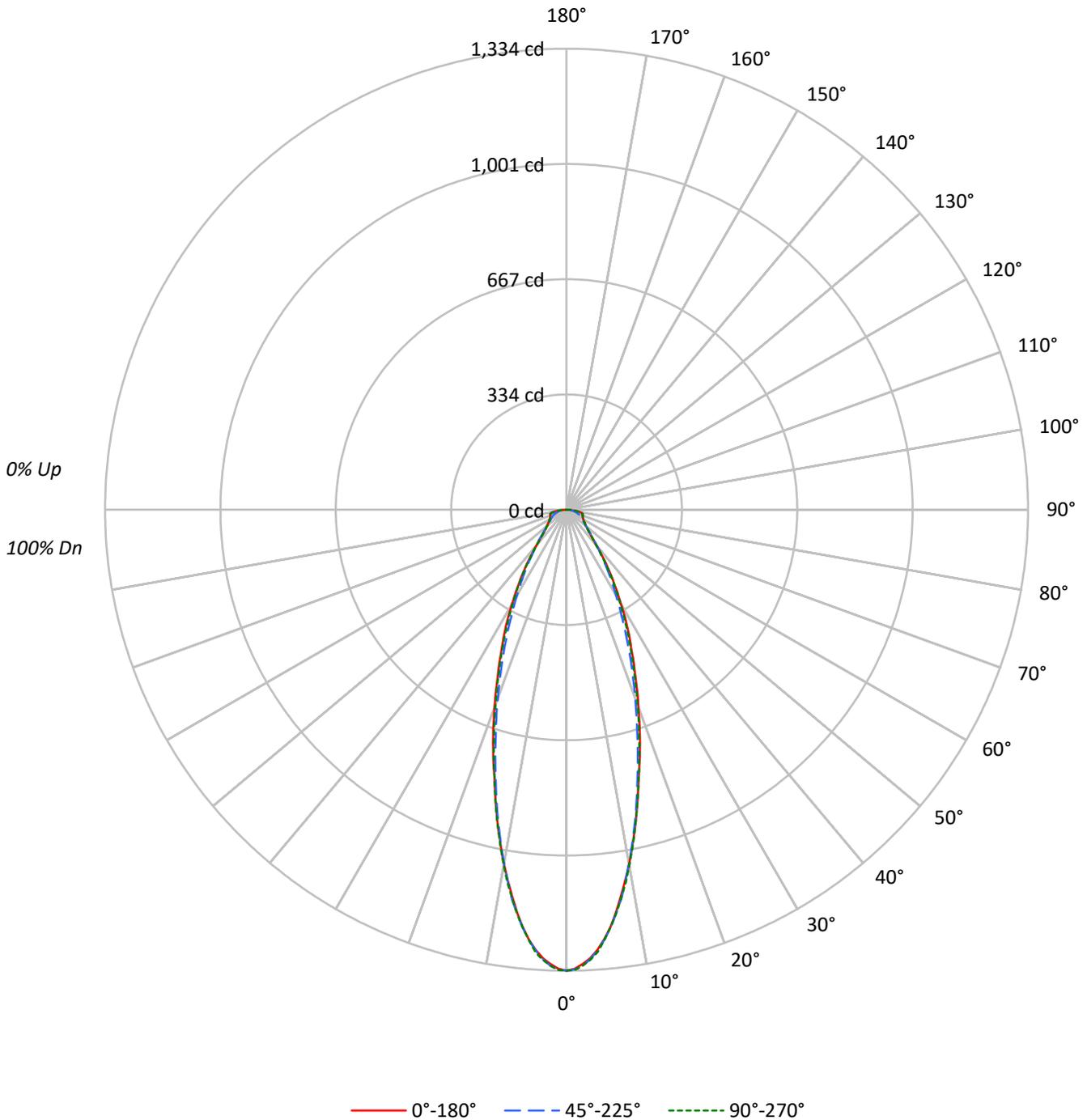
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 894.0 lumens
Efficiency: N/A
Efficacy: 32.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

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Luminous Intensity Polar Plot





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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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	229676	229676	229676
5°	215703	215980	215980
10°	182207	181647	182767
15°	143298	141283	143583
20°	111358	106318	109874
25°	84068	78215	82833
30°	62523	57035	61231
35°	44635	41565	43941
40°	30238	30598	29879
45°	22505	23674	22505
50°	19532	19532	19532
55°	18976	18016	18976
60°	19530	17877	18979
65°	21150	18501	21150
70°	25278	18782	25278
75°	32339	19430	32339
80°	40168	20927	38581
85°	32012	19168	35173

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 40168 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	12.6
10°-20°	222.3	24.9
20°-30°	196.5	22.0
30°-40°	129.1	14.4
40°-50°	75.4	8.4
50°-60°	55.6	6.2
60°-70°	47.4	5.3
70°-80°	39.0	4.4
80°-90°	16.2	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°	531.3	59.4
0°-40°	660.4	73.9
0°-60°	791.4	88.5
0°-90°	894.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	894.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1334	1334	1334	1334	1334	
5°	1248	1248	1249	1251	1249	112
15°	804	804	792	802	805	225
25°	442	428	412	423	436	205
35°	212	204	198	202	209	134
45°	92	94	97	94	92	74
55°	63	62	60	62	63	57
65°	52	47	45	47	52	52
75°	49	36	29	37	49	50
85°	16	18	10	16	18	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1333.6	1333.6	1333.6	1333.6	1333.6
1°	1328.7	1330.3	1330.3	1332.0	1332.0
2°	1315.8	1319.0	1320.6	1320.6	1320.6
3°	1299.5	1301.2	1302.8	1304.4	1304.4
4°	1276.9	1278.5	1278.5	1281.7	1283.3
5°	1247.7	1247.7	1249.3	1250.9	1249.3
6°	1213.7	1213.7	1215.3	1215.3	1215.3
7°	1173.2	1174.8	1176.4	1178.0	1176.4
8°	1129.4	1131.0	1135.9	1135.9	1134.3
9°	1085.7	1087.3	1087.3	1092.1	1092.1
10°	1041.9	1041.9	1038.7	1041.9	1045.1
12.5°	923.6	922.0	917.1	922.0	925.2
15°	803.7	803.7	792.4	802.1	805.3
17.5°	706.5	691.9	680.6	690.3	698.4
20°	607.6	593.1	580.1	589.8	599.5
22.5°	518.5	507.2	491.0	500.7	512.0
25°	442.4	427.8	411.6	422.9	435.9
27.5°	379.2	359.7	343.5	356.5	367.8
30°	314.4	301.4	286.8	296.5	307.9
32.5°	259.3	249.5	238.2	246.3	256.0
35°	212.3	204.2	197.7	202.5	209.0
37.5°	170.1	166.9	163.7	165.3	165.3
40°	134.5	136.1	136.1	136.1	132.9
42.5°	110.2	111.8	115.0	111.8	110.2
45°	92.4	94.0	97.2	94.0	92.4
47.5°	81.0	82.6	84.3	81.0	81.0
50°	72.9	72.9	72.9	72.9	72.9
52.5°	68.1	66.4	66.4	66.4	68.1
55°	63.2	61.6	60.0	61.6	63.2
57.5°	58.3	56.7	55.1	56.7	58.3
60°	56.7	53.5	51.9	53.5	55.1
62.5°	53.5	50.2	48.6	50.2	53.5
65°	51.9	47.0	45.4	47.0	51.9
67.5°	50.2	43.8	40.5	43.8	50.2
70°	50.2	40.5	37.3	42.1	50.2
72.5°	48.6	38.9	32.4	38.9	48.6
75°	48.6	35.6	29.2	37.3	48.6
77.5°	45.4	32.4	24.3	34.0	45.4
80°	40.5	29.2	21.1	30.8	38.9
82.5°	29.2	24.3	16.2	24.3	29.2
85°	16.2	17.8	9.7	16.2	17.8
87.5°	1.6	4.9	3.2	9.7	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)