

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: P1309507

Luminaire Tested: LDSQA3D20R159030D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159030D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

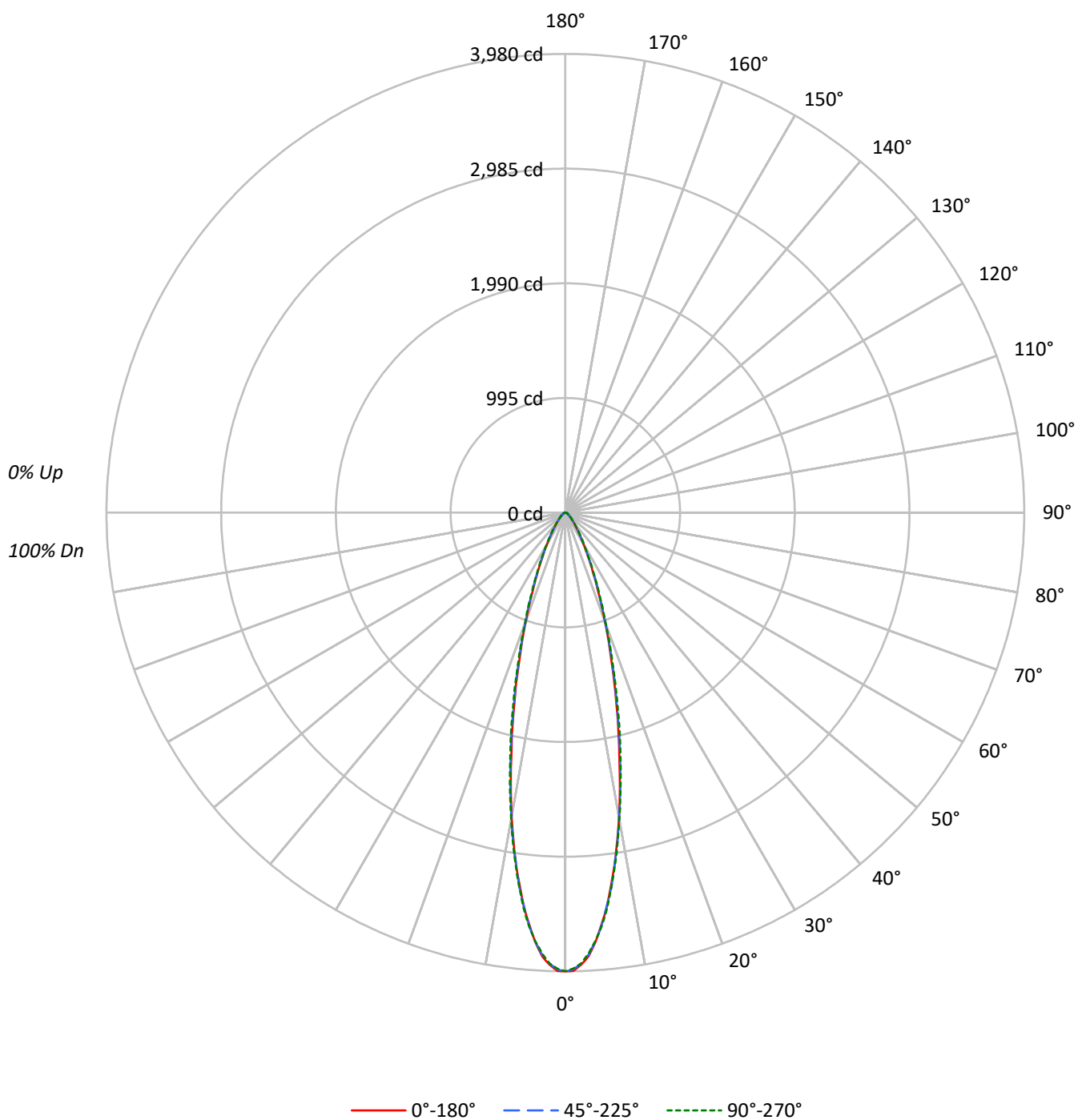
Lumens per Lamp: N/A
Luminaire Lumens: 1316.0 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309507

CATALOG NUMBER: LDSQA3D20R159030D010 3LSQPHRL1MW

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	685360	685360	685360
5°	620779	621955	622837
10°	468677	469866	472227
15°	303998	307314	313341
20°	183037	185200	187674
25°	106928	109170	110786
30°	62842	64850	65864
35°	38727	40136	40851
40°	25450	26214	26596
45°	17707	18121	18511
50°	13129	13584	14040
55°	10659	11170	11170
60°	9300	9300	9300
65°	8273	8273	8273
70°	6798	7654	7654
75°	6721	6721	6721
80°	5058	6744	6744
85°	3359	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 18511 cd/sqm

TEST NUMBER: P1309507

CATALOG NUMBER: LDSQA3D20R159030D010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.5	23.8
10°-20°	479.3	36.4
20°-30°	272.4	20.7
30°-40°	124.3	9.4
40°-50°	59.6	4.5
50°-60°	33.3	2.5
60°-70°	20.4	1.6
70°-80°	10.8	0.8
80°-90°	2.3	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°	1065.2	80.9
0°-40°	1189.5	90.4
0°-60°	1282.4	97.4
0°-90°	1316.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1316.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3980	3980	3980	3980	3980	
5°	3591	3589	3598	3598	3603	313
15°	1705	1714	1724	1747	1757	473
25°	563	563	574	580	583	267
35°	184	188	191	194	194	121
45°	73	73	74	76	76	58
55°	36	36	37	37	37	33
65°	20	20	20	20	20	20
75°	10	10	10	10	10	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3979.5	3979.5	3979.5	3979.5	3979.5
1°	3976.1	3966.0	3962.6	3960.9	3957.5
2°	3925.4	3917.0	3915.3	3915.3	3913.6
3°	3854.5	3839.2	3840.9	3835.9	3830.8
4°	3734.5	3727.7	3731.1	3734.5	3727.7
5°	3590.8	3589.2	3597.6	3597.6	3602.7
6°	3442.1	3440.4	3435.4	3448.9	3455.7
7°	3252.9	3263.0	3276.5	3269.8	3274.8
8°	3080.5	3068.7	3073.8	3090.7	3092.3
9°	2877.7	2869.3	2891.3	2898.0	2899.7
10°	2680.0	2688.5	2686.8	2710.5	2700.3
12.5°	2164.6	2178.2	2193.4	2203.5	2213.6
15°	1705.0	1713.5	1723.6	1747.3	1757.4
17.5°	1311.3	1321.4	1331.6	1351.8	1355.2
20°	998.7	1003.7	1010.5	1029.1	1024.0
22.5°	746.9	755.3	762.1	770.6	775.6
25°	562.7	562.7	574.5	579.6	583.0
27.5°	419.1	422.5	430.9	437.7	436.0
30°	316.0	321.1	326.1	329.5	331.2
32.5°	243.3	243.3	248.4	253.5	255.2
35°	184.2	187.6	190.9	194.3	194.3
37.5°	143.6	145.3	148.7	150.4	150.4
40°	113.2	113.2	116.6	118.3	118.3
42.5°	89.6	91.2	92.9	94.6	94.6
45°	72.7	72.7	74.4	76.0	76.0
47.5°	59.1	59.1	60.8	62.5	62.5
50°	49.0	50.7	50.7	52.4	52.4
52.5°	42.2	42.2	42.2	43.9	43.9
55°	35.5	35.5	37.2	37.2	37.2
57.5°	30.4	30.4	30.4	32.1	32.1
60°	27.0	27.0	27.0	27.0	27.0
62.5°	23.7	23.7	23.7	23.7	23.7
65°	20.3	20.3	20.3	20.3	20.3
67.5°	16.9	16.9	16.9	18.6	18.6
70°	13.5	15.2	15.2	15.2	15.2
72.5°	11.8	11.8	11.8	11.8	11.8
75°	10.1	10.1	10.1	10.1	10.1
77.5°	8.4	8.4	8.4	8.4	8.4
80°	5.1	6.8	6.8	6.8	6.8
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)