

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: P1314910

Luminaire Tested: LDSQA3D20R159730D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314910
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: LDSQA3D20R159730D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

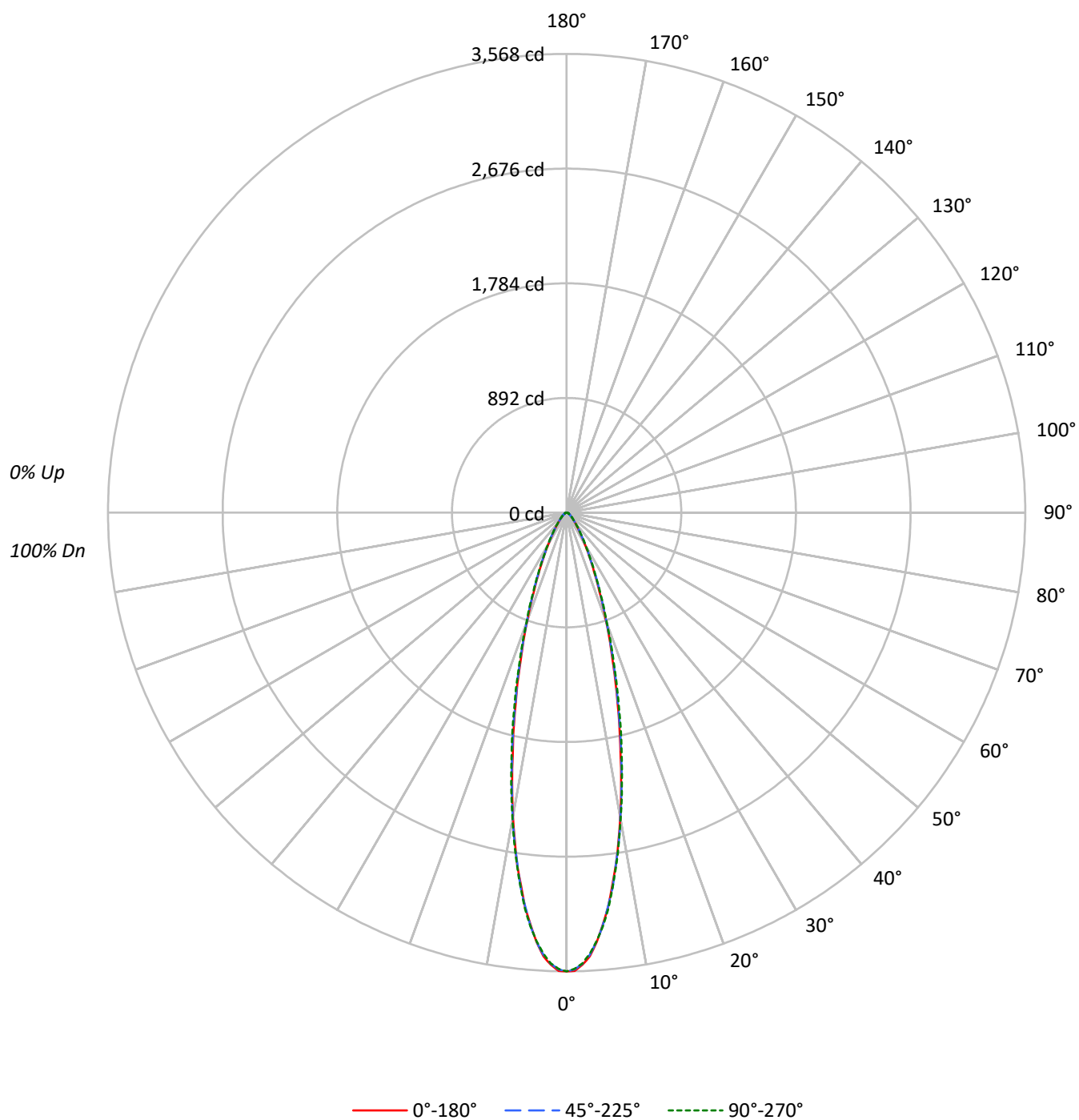
Lumens per Lamp: N/A
Luminaire Lumens: 1180.0 lumens
Efficiency: N/A
Efficacy: 41.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	614525	614525	614525
5°	556641	557678	558473
10°	420253	421302	423436
15°	272582	275560	280962
20°	164123	166066	168284
25°	95887	97902	99327
30°	56339	58148	59063
35°	34732	35994	36625
40°	22819	23494	23853
45°	15880	16245	16611
50°	11762	12191	12593
55°	9548	9999	9999
60°	8336	8336	8336
65°	7417	7417	7417
70°	6093	6848	6848
75°	6055	6055	6055
80°	4463	6050	6050
85°	2964	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 16611 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.1	23.8
10°-20°	429.8	36.4
20°-30°	244.3	20.7
30°-40°	111.4	9.4
40°-50°	53.5	4.5
50°-60°	29.9	2.5
60°-70°	18.3	1.5
70°-80°	9.7	0.8
80°-90°	2.1	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°	955.1	80.9
0°-40°	1066.5	90.4
0°-60°	1149.9	97.4
0°-90°	1180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1180.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3568	3568	3568	3568	3568	
5°	3220	3218	3226	3226	3230	281
15°	1529	1536	1546	1567	1576	424
25°	505	505	515	520	523	239
35°	165	168	171	174	174	108
45°	65	65	67	68	68	52
55°	32	32	33	33	33	29
65°	18	18	18	18	18	18
75°	9	9	9	9	9	9
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°	3568.2	3568.2	3568.2	3568.2	3568.2
1°	3565.2	3556.1	3553.1	3551.6	3548.5
2°	3519.8	3512.2	3510.7	3510.7	3509.2
3°	3456.1	3442.5	3444.0	3439.5	3434.9
4°	3348.5	3342.5	3345.5	3348.5	3342.5
5°	3219.8	3218.2	3225.8	3225.8	3230.4
6°	3086.4	3084.9	3080.4	3092.5	3098.5
7°	2916.7	2925.8	2937.9	2931.9	2936.4
8°	2762.2	2751.6	2756.1	2771.3	2772.8
9°	2580.3	2572.8	2592.5	2598.5	2600.0
10°	2403.1	2410.6	2409.1	2430.3	2421.3
12.5°	1940.9	1953.1	1966.7	1975.8	1984.9
15°	1528.8	1536.4	1545.5	1566.7	1575.8
17.5°	1175.8	1184.9	1194.0	1212.1	1215.2
20°	895.5	900.0	906.1	922.7	918.2
22.5°	669.7	677.3	683.3	690.9	695.5
25°	504.6	504.6	515.2	519.7	522.7
27.5°	375.8	378.8	386.4	392.4	390.9
30°	283.3	287.9	292.4	295.5	297.0
32.5°	218.2	218.2	222.7	227.3	228.8
35°	165.2	168.2	171.2	174.2	174.2
37.5°	128.8	130.3	133.3	134.9	134.9
40°	101.5	101.5	104.5	106.1	106.1
42.5°	80.3	81.8	83.3	84.8	84.8
45°	65.2	65.2	66.7	68.2	68.2
47.5°	53.0	53.0	54.5	56.1	56.1
50°	43.9	45.5	45.5	47.0	47.0
52.5°	37.9	37.9	37.9	39.4	39.4
55°	31.8	31.8	33.3	33.3	33.3
57.5°	27.3	27.3	27.3	28.8	28.8
60°	24.2	24.2	24.2	24.2	24.2
62.5°	21.2	21.2	21.2	21.2	21.2
65°	18.2	18.2	18.2	18.2	18.2
67.5°	15.2	15.2	15.2	16.7	16.7
70°	12.1	13.6	13.6	13.6	13.6
72.5°	10.6	10.6	10.6	10.6	10.6
75°	9.1	9.1	9.1	9.1	9.1
77.5°	7.6	7.6	7.6	7.6	7.6
80°	4.5	6.1	6.1	6.1	6.1
82.5°	3.0	3.0	3.0	3.0	3.0
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)