

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: P1308437

Luminaire Tested: LDSQA3D20R309027D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309027D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

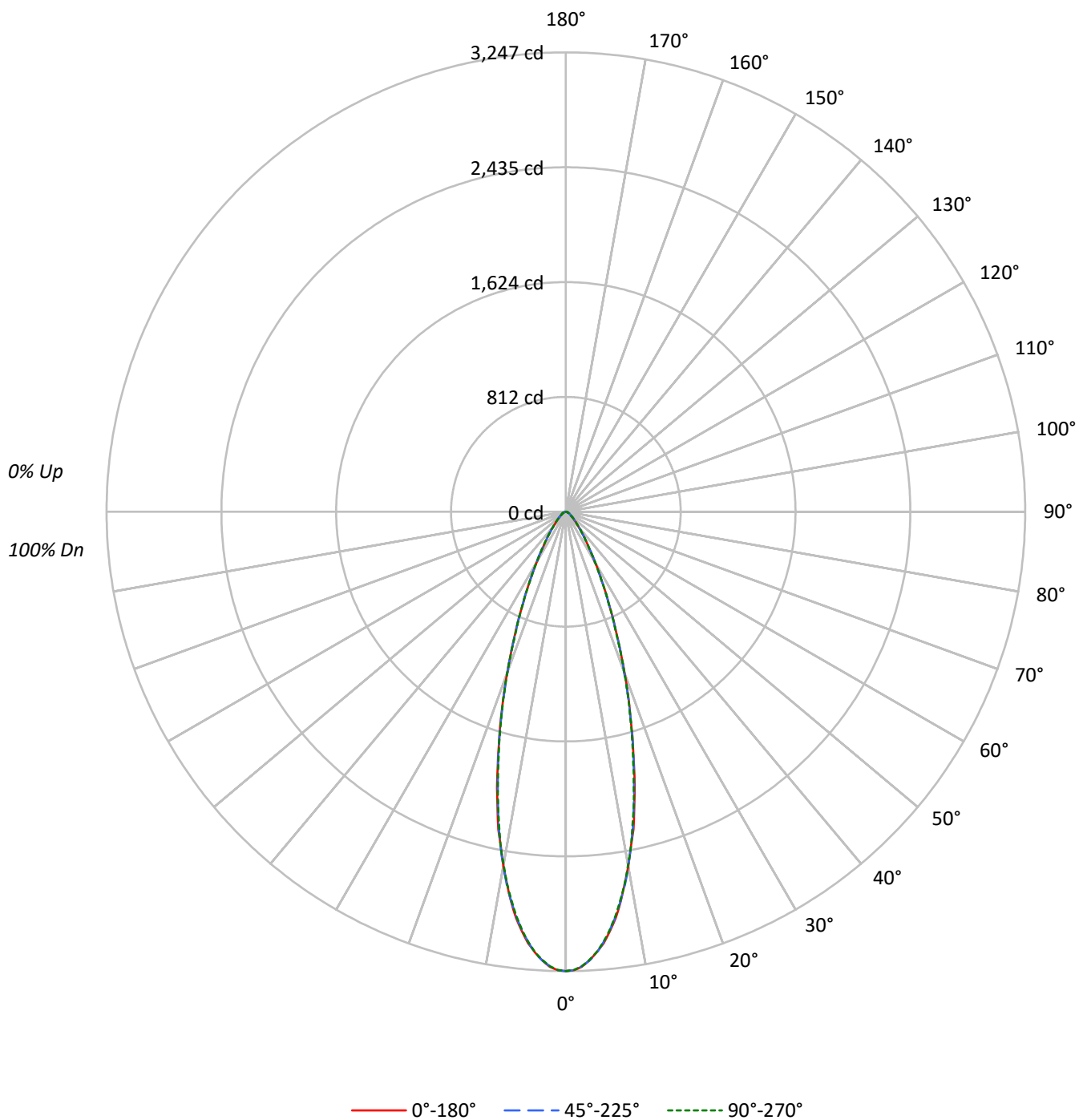
Lumens per Lamp: N/A
Luminaire Lumens: 1426.0 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	559207	559207	559207
5°	529429	528063	527787
10°	444771	444771	443127
15°	331385	330547	328568
20°	221782	220627	220920
25°	136724	136420	137009
30°	82211	82211	82509
35°	50417	50417	50753
40°	31925	31925	32644
45°	21896	22286	22286
50°	16076	16076	16076
55°	12311	12791	12791
60°	10333	10333	10884
65°	9006	9006	9006
70°	7956	8762	8762
75°	7320	7320	7320
80°	6248	6248	6248
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 22286 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.3	19.3
10°-20°	508.2	35.6
20°-30°	337.9	23.7
30°-40°	156.2	11.0
40°-50°	72.5	5.1
50°-60°	38.8	2.7
60°-70°	22.6	1.6
70°-80°	12.0	0.8
80°-90°	2.6	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°	1121.4	78.6
0°-40°	1277.6	89.6
0°-60°	1388.9	97.4
0°-90°	1426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1426.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3247	3247	3247	3247	3247	
5°	3062	3056	3054	3062	3053	275
15°	1859	1865	1854	1854	1843	510
25°	720	718	718	718	721	338
35°	240	238	240	241	241	155
45°	90	90	92	92	92	72
55°	41	43	43	43	43	38
65°	22	22	22	22	22	22
75°	11	11	11	11	11	12
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3247.0	3247.0	3247.0	3247.0	3247.0
1°	3240.7	3237.5	3240.7	3245.4	3239.1
2°	3218.6	3215.5	3215.5	3221.8	3215.5
3°	3176.0	3179.2	3177.6	3183.9	3172.9
4°	3122.4	3120.8	3127.1	3130.3	3120.8
5°	3062.4	3056.1	3054.5	3062.4	3052.9
6°	2980.4	2975.6	2972.5	2981.9	2969.3
7°	2892.0	2888.9	2884.1	2887.3	2877.8
8°	2783.1	2781.6	2778.4	2781.6	2770.5
9°	2661.7	2661.7	2668.0	2666.4	2660.1
10°	2543.3	2546.5	2543.3	2546.5	2533.9
11°	2410.8	2410.8	2414.0	2412.4	2414.0
12°	2295.6	2283.0	2279.8	2276.7	2267.2
13°	2147.3	2137.8	2134.7	2137.8	2133.1
14°	2011.6	2005.3	1989.5	1992.7	1986.4
15°	1858.6	1864.9	1853.9	1853.9	1842.8
17.5°	1519.4	1513.1	1516.2	1517.8	1513.1
20°	1210.1	1207.0	1203.8	1200.7	1205.4
22.5°	940.3	941.9	938.8	935.6	932.4
25°	719.5	717.9	717.9	717.9	721.0
27.5°	545.9	545.9	545.9	547.5	547.5
30°	413.4	410.2	413.4	414.9	414.9
32.5°	309.2	312.4	314.0	314.0	314.0
35°	239.8	238.2	239.8	241.4	241.4
37.5°	183.0	183.0	184.6	184.6	186.2
40°	142.0	142.0	142.0	143.6	145.2
42.5°	112.0	112.0	113.6	113.6	115.2
45°	89.9	89.9	91.5	91.5	91.5
47.5°	72.6	72.6	74.2	74.2	74.2
50°	60.0	60.0	60.0	60.0	60.0
52.5°	50.5	48.9	50.5	50.5	50.5
55°	41.0	42.6	42.6	42.6	42.6
57.5°	34.7	36.3	36.3	36.3	36.3
60°	30.0	30.0	30.0	31.6	31.6
62.5°	25.2	26.8	26.8	26.8	26.8
65°	22.1	22.1	22.1	22.1	22.1
67.5°	18.9	18.9	18.9	18.9	20.5
70°	15.8	15.8	17.4	17.4	17.4
72.5°	14.2	14.2	14.2	14.2	14.2
75°	11.0	11.0	11.0	11.0	11.0
77.5°	7.9	7.9	9.5	9.5	7.9
80°	6.3	6.3	6.3	6.3	6.3
82.5°	4.7	4.7	4.7	4.7	4.7
85°	1.6	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)