

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: P1315930

Luminaire Tested: LDSQA3D20R309735D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315930
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: LDSQA3D20R309735D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

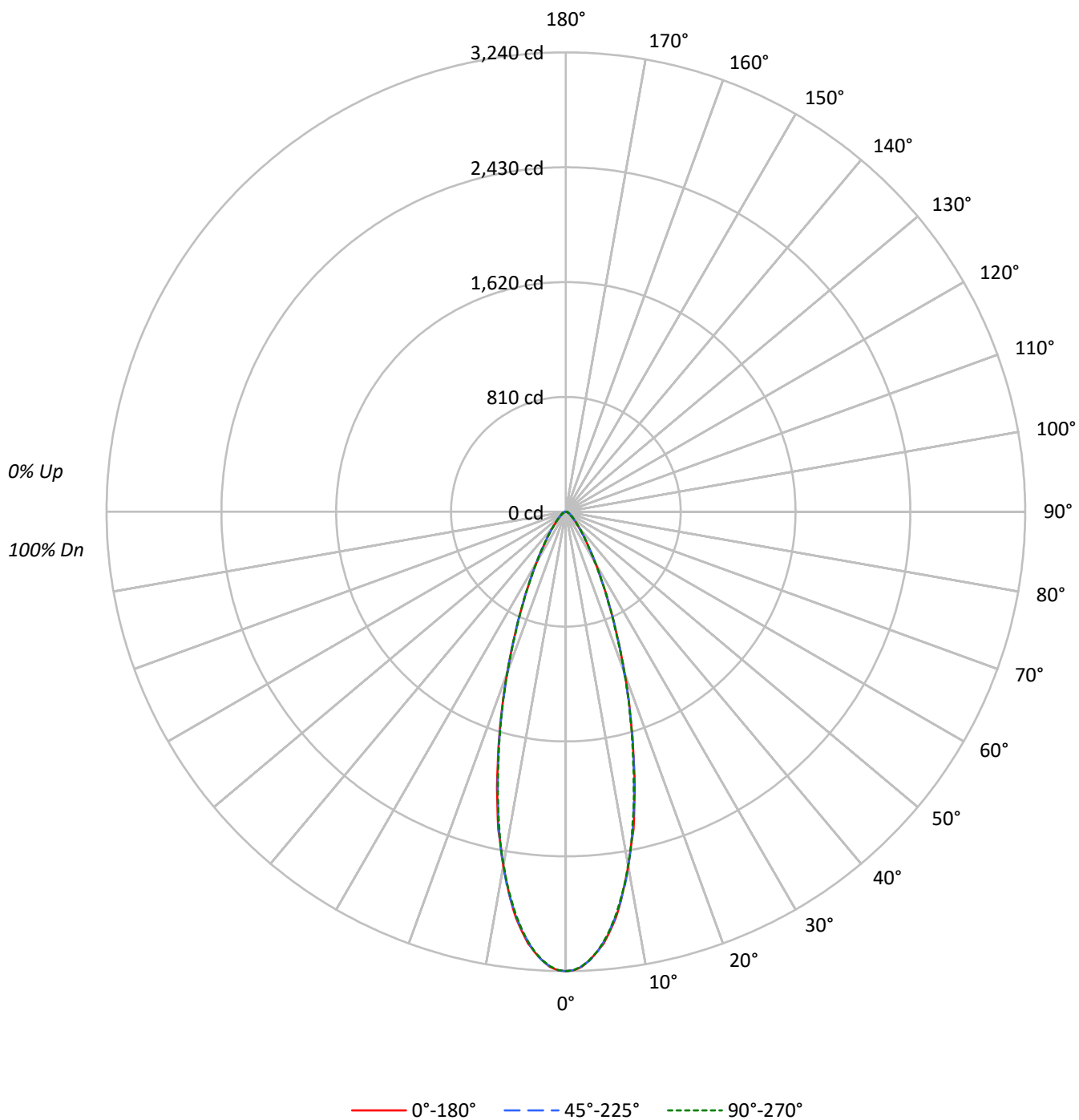
Lumens per Lamp: N/A
Luminaire Lumens: 1423.0 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	558036	558036	558036
5°	528323	526957	526680
10°	443844	443844	442183
15°	330689	329851	327872
20°	221324	220169	220462
25°	136420	136135	136724
30°	82032	82032	82350
35°	50312	50312	50648
40°	31857	31857	32554
45°	21847	22237	22237
50°	16022	16022	16022
55°	12281	12761	12761
60°	10299	10299	10850
65°	8965	8965	8965
70°	7906	8711	8711
75°	7320	7320	7320
80°	6248	6248	6248
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 22237 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.7	19.3
10°-20°	507.2	35.6
20°-30°	337.2	23.7
30°-40°	155.8	11.0
40°-50°	72.4	5.1
50°-60°	38.7	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°	1119.0	78.6
0°-40°	1274.9	89.6
0°-60°	1385.9	97.4
0°-90°	1423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1423.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3240	3240	3240	3240	3240	
5°	3056	3050	3048	3056	3046	275
15°	1855	1861	1850	1850	1839	509
25°	718	716	716	716	720	338
35°	239	238	239	241	241	155
45°	90	90	91	91	91	72
55°	41	42	42	42	42	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°	3240.2	3240.2	3240.2	3240.2	3240.2
1°	3233.9	3230.7	3233.9	3238.6	3232.3
2°	3211.8	3208.7	3208.7	3215.0	3208.7
3°	3169.3	3172.5	3170.9	3177.2	3166.2
4°	3115.8	3114.2	3120.5	3123.7	3114.2
5°	3056.0	3049.7	3048.1	3056.0	3046.5
6°	2974.1	2969.4	2966.2	2975.7	2963.1
7°	2885.9	2882.8	2878.1	2881.2	2871.8
8°	2777.3	2775.7	2772.6	2775.7	2764.7
9°	2656.1	2656.1	2662.4	2660.8	2654.5
10°	2538.0	2541.1	2538.0	2541.1	2528.5
11°	2405.7	2405.7	2408.9	2407.3	2408.9
12°	2290.8	2278.2	2275.1	2271.9	2262.5
13°	2142.8	2133.4	2130.2	2133.4	2128.6
14°	2007.4	2001.1	1985.4	1988.5	1982.2
15°	1854.7	1861.0	1850.0	1850.0	1838.9
17.5°	1516.2	1509.9	1513.0	1514.6	1509.9
20°	1207.6	1204.4	1201.3	1198.1	1202.9
22.5°	938.4	939.9	936.8	933.6	930.5
25°	717.9	716.4	716.4	716.4	719.5
27.5°	544.8	544.8	544.8	546.3	546.3
30°	412.5	409.4	412.5	414.1	414.1
32.5°	308.6	311.7	313.3	313.3	313.3
35°	239.3	237.7	239.3	240.9	240.9
37.5°	182.6	182.6	184.2	184.2	185.8
40°	141.7	141.7	141.7	143.3	144.8
42.5°	111.8	111.8	113.4	113.4	114.9
45°	89.7	89.7	91.3	91.3	91.3
47.5°	72.4	72.4	74.0	74.0	74.0
50°	59.8	59.8	59.8	59.8	59.8
52.5°	50.4	48.8	50.4	50.4	50.4
55°	40.9	42.5	42.5	42.5	42.5
57.5°	34.6	36.2	36.2	36.2	36.2
60°	29.9	29.9	29.9	31.5	31.5
62.5°	25.2	26.8	26.8	26.8	26.8
65°	22.0	22.0	22.0	22.0	22.0
67.5°	18.9	18.9	18.9	18.9	20.5
70°	15.7	15.7	17.3	17.3	17.3
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	9.4	9.4	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)