

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: P1308420

Luminaire Tested: LDSQA3D20R259027D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R259027D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

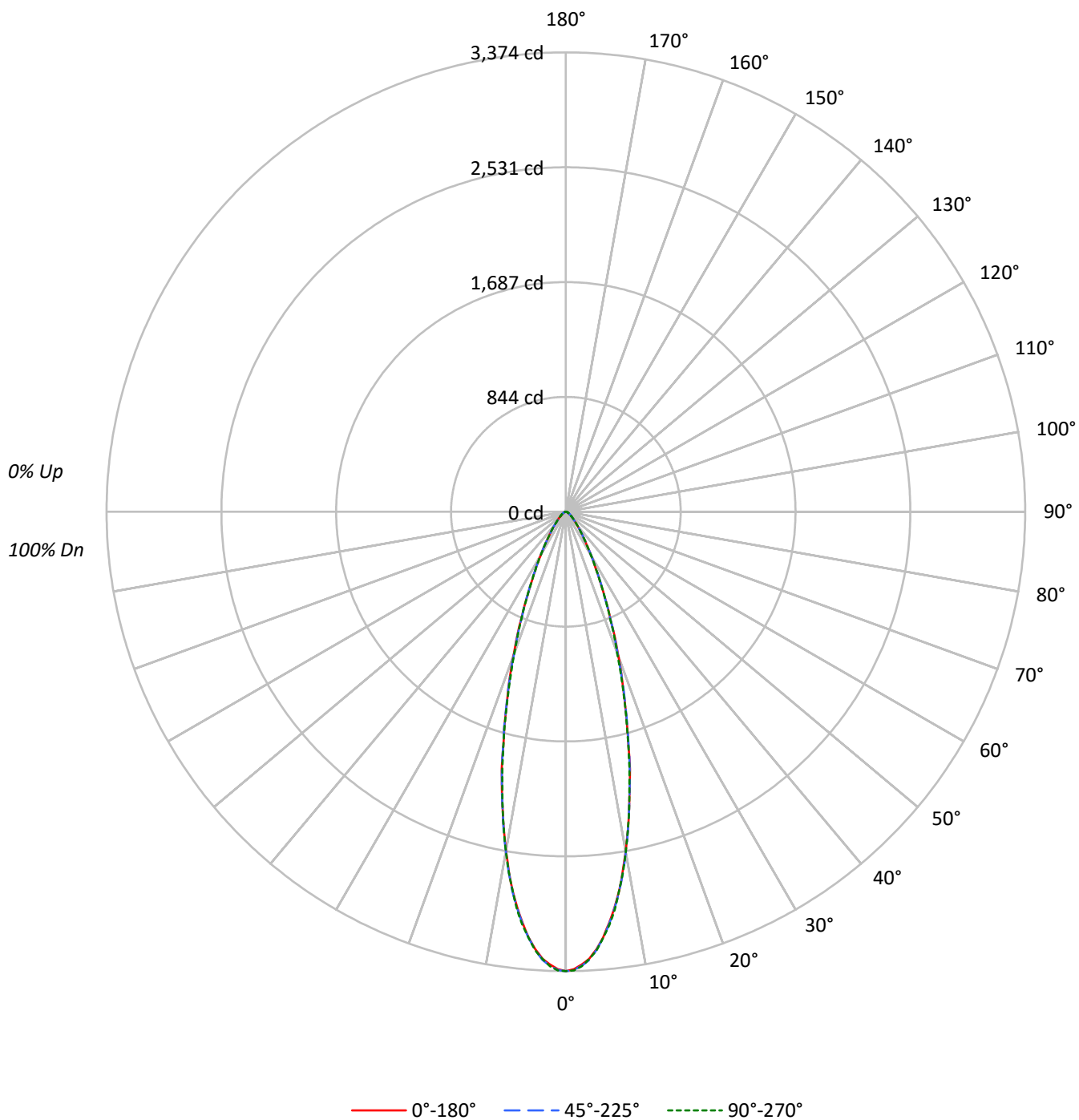
Lumens per Lamp: N/A
Luminaire Lumens: 1352.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	581114	581114	581114
5°	542413	542949	543225
10°	442428	443809	443809
15°	315998	317691	315998
20°	206808	204792	201896
25°	122966	123555	122966
30°	74077	74077	73759
35°	45119	45455	45119
40°	28732	29092	29092
45°	19996	19996	19996
50°	14388	14790	14790
55°	11380	11380	11860
60°	9231	9782	9782
65°	8354	8354	8354
70°	7150	7150	7956
75°	6321	6321	7320
80°	6248	6248	6248
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19996 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.4	20.7
10°-20°	488.8	36.2
20°-30°	307.3	22.7
30°-40°	140.5	10.4
40°-50°	65.7	4.9
50°-60°	35.3	2.6
60°-70°	20.8	1.5
70°-80°	10.8	0.8
80°-90°	2.4	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°	1076.4	79.6
0°-40°	1217.0	90.0
0°-60°	1317.9	97.5
0°-90°	1352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1352.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3374	3374	3374	3374	3374	
5°	3138	3144	3141	3144	3142	280
15°	1772	1783	1782	1785	1772	489
25°	647	655	650	650	647	308
35°	215	215	216	216	215	140
45°	82	82	82	82	82	65
55°	38	38	38	40	40	35
65°	20	20	20	20	20	20
75°	10	10	10	11	11	11
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°	3374.2	3374.2	3374.2	3374.2	3374.2
1°	3360.0	3363.2	3366.3	3371.1	3369.5
2°	3328.5	3334.8	3336.3	3342.7	3341.1
3°	3285.8	3284.3	3296.9	3296.9	3289.0
4°	3219.6	3222.7	3225.9	3229.0	3230.6
5°	3137.5	3143.8	3140.6	3143.8	3142.2
6°	3036.5	3046.0	3044.4	3047.5	3052.3
7°	2929.2	2935.5	2935.5	2932.3	2944.9
8°	2812.4	2807.6	2815.5	2812.4	2810.8
9°	2673.5	2683.0	2684.5	2676.7	2679.8
10°	2529.9	2536.2	2537.8	2542.5	2537.8
11°	2387.8	2387.8	2391.0	2398.9	2386.3
12°	2233.2	2247.4	2233.2	2239.5	2233.2
13°	2086.4	2089.6	2086.4	2084.8	2073.8
14°	1947.5	1936.5	1939.6	1927.0	1928.6
15°	1772.3	1783.4	1781.8	1785.0	1772.3
17.5°	1425.1	1431.4	1429.9	1426.7	1410.9
20°	1128.4	1128.4	1117.4	1111.1	1101.6
22.5°	861.7	858.5	853.8	849.1	852.2
25°	647.1	655.0	650.2	650.2	647.1
27.5°	489.2	498.7	490.8	486.1	489.2
30°	372.5	375.6	372.5	370.9	370.9
32.5°	280.9	282.5	280.9	280.9	280.9
35°	214.6	214.6	216.2	216.2	214.6
37.5°	165.7	165.7	165.7	165.7	167.3
40°	127.8	129.4	129.4	129.4	129.4
42.5°	101.0	102.6	102.6	102.6	102.6
45°	82.1	82.1	82.1	82.1	82.1
47.5°	66.3	66.3	66.3	66.3	67.9
50°	53.7	55.2	55.2	55.2	55.2
52.5°	45.8	45.8	45.8	45.8	45.8
55°	37.9	37.9	37.9	39.5	39.5
57.5°	31.6	31.6	33.1	33.1	33.1
60°	26.8	28.4	28.4	28.4	28.4
62.5°	23.7	23.7	25.3	25.3	25.3
65°	20.5	20.5	20.5	20.5	20.5
67.5°	17.4	17.4	17.4	17.4	18.9
70°	14.2	14.2	14.2	15.8	15.8
72.5°	12.6	12.6	12.6	12.6	12.6
75°	9.5	9.5	9.5	11.0	11.0
77.5°	7.9	7.9	7.9	7.9	7.9
80°	6.3	6.3	6.3	6.3	6.3
82.5°	3.2	3.2	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)