

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: P1317742

Luminaire Tested: LDSQA3D20R209827D010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317742
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209827D010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

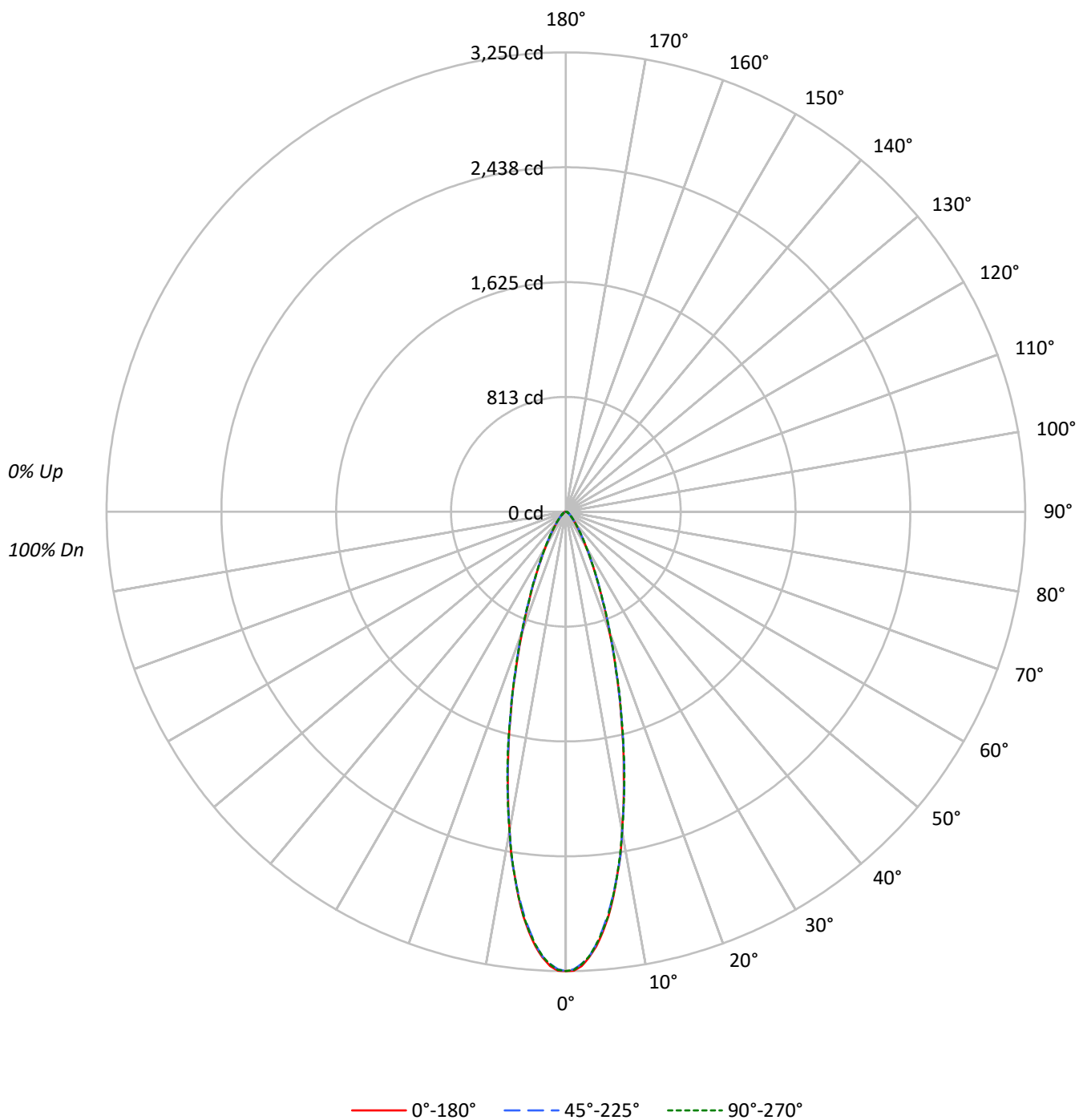
Lumens per Lamp: N/A
Luminaire Lumens: 1142.0 lumens
Efficiency: N/A
Efficacy: 41.7 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	559655	559655	559655
5°	516308	513369	515080
10°	400666	401156	401156
15°	270817	272083	272083
20°	164471	166561	167331
25°	96477	97826	97560
30°	56279	57412	57691
35°	34375	35279	35279
40°	22392	22707	23022
45°	15588	15929	16270
50°	11441	11816	11816
55°	8978	9398	9398
60°	7853	7853	8336
65°	6968	6968	7539
70°	6445	6445	6445
75°	5656	5656	5656
80°	4265	4265	5653
85°	2766	2766	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16270 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.0	22.9
10°-20°	419.6	36.7
20°-30°	243.0	21.3
30°-40°	109.0	9.5
40°-50°	51.7	4.5
50°-60°	28.3	2.5
60°-70°	17.2	1.5
70°-80°	9.2	0.8
80°-90°	2.0	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°	924.7	81.0
0°-40°	1033.7	90.5
0°-60°	1113.6	97.5
0°-90°	1142.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1142.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3250	3250	3250	3250	3250	
5°	2986	2977	2970	2975	2979	263
15°	1519	1519	1526	1519	1526	418
25°	508	508	515	511	513	241
35°	164	165	168	169	168	107
45°	64	64	65	65	67	51
55°	30	30	31	31	31	28
65°	17	17	17	17	18	17
75°	8	8	8	8	8	9
85°	1	1	1	1	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3249.6	3249.6	3249.6	3249.6	3249.6
1°	3248.2	3239.7	3236.8	3234.0	3242.5
2°	3215.5	3205.6	3199.9	3202.7	3204.1
3°	3157.2	3151.5	3151.5	3147.2	3150.1
4°	3081.8	3070.4	3070.4	3071.9	3071.9
5°	2986.5	2976.6	2969.5	2975.2	2979.4
6°	2879.9	2867.1	2861.4	2862.8	2872.8
7°	2749.0	2732.0	2734.8	2741.9	2741.9
8°	2601.1	2599.7	2602.6	2599.7	2602.6
9°	2464.6	2444.7	2461.8	2447.5	2454.7
10°	2291.1	2289.7	2293.9	2298.2	2293.9
12.5°	1895.7	1902.9	1905.7	1900.0	1912.8
15°	1518.9	1518.9	1526.0	1518.9	1526.0
17.5°	1181.8	1180.4	1186.1	1180.4	1188.9
20°	897.4	907.3	908.8	908.8	913.0
22.5°	676.9	676.9	682.6	684.1	681.2
25°	507.7	507.7	514.8	510.6	513.4
27.5°	375.5	378.3	384.0	386.8	386.8
30°	283.0	284.4	288.7	290.1	290.1
32.5°	213.3	216.2	219.0	220.4	221.9
35°	163.5	165.0	167.8	169.2	167.8
37.5°	125.2	126.6	129.4	130.8	130.8
40°	99.6	99.6	101.0	102.4	102.4
42.5°	78.2	79.6	79.6	81.1	81.1
45°	64.0	64.0	65.4	65.4	66.8
47.5°	51.2	51.2	52.6	54.0	54.0
50°	42.7	42.7	44.1	44.1	44.1
52.5°	35.6	35.6	37.0	37.0	37.0
55°	29.9	29.9	31.3	31.3	31.3
57.5°	25.6	25.6	27.0	27.0	27.0
60°	22.8	22.8	22.8	22.8	24.2
62.5°	19.9	19.9	19.9	19.9	19.9
65°	17.1	17.1	17.1	17.1	18.5
67.5°	14.2	14.2	14.2	14.2	15.6
70°	12.8	12.8	12.8	12.8	12.8
72.5°	10.0	10.0	10.0	11.4	11.4
75°	8.5	8.5	8.5	8.5	8.5
77.5°	7.1	7.1	7.1	7.1	7.1
80°	4.3	4.3	4.3	5.7	5.7
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)