

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: P1320224

Luminaire Tested: LDSQA3D17R209840DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320224
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: LDSQA3D17R209840DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

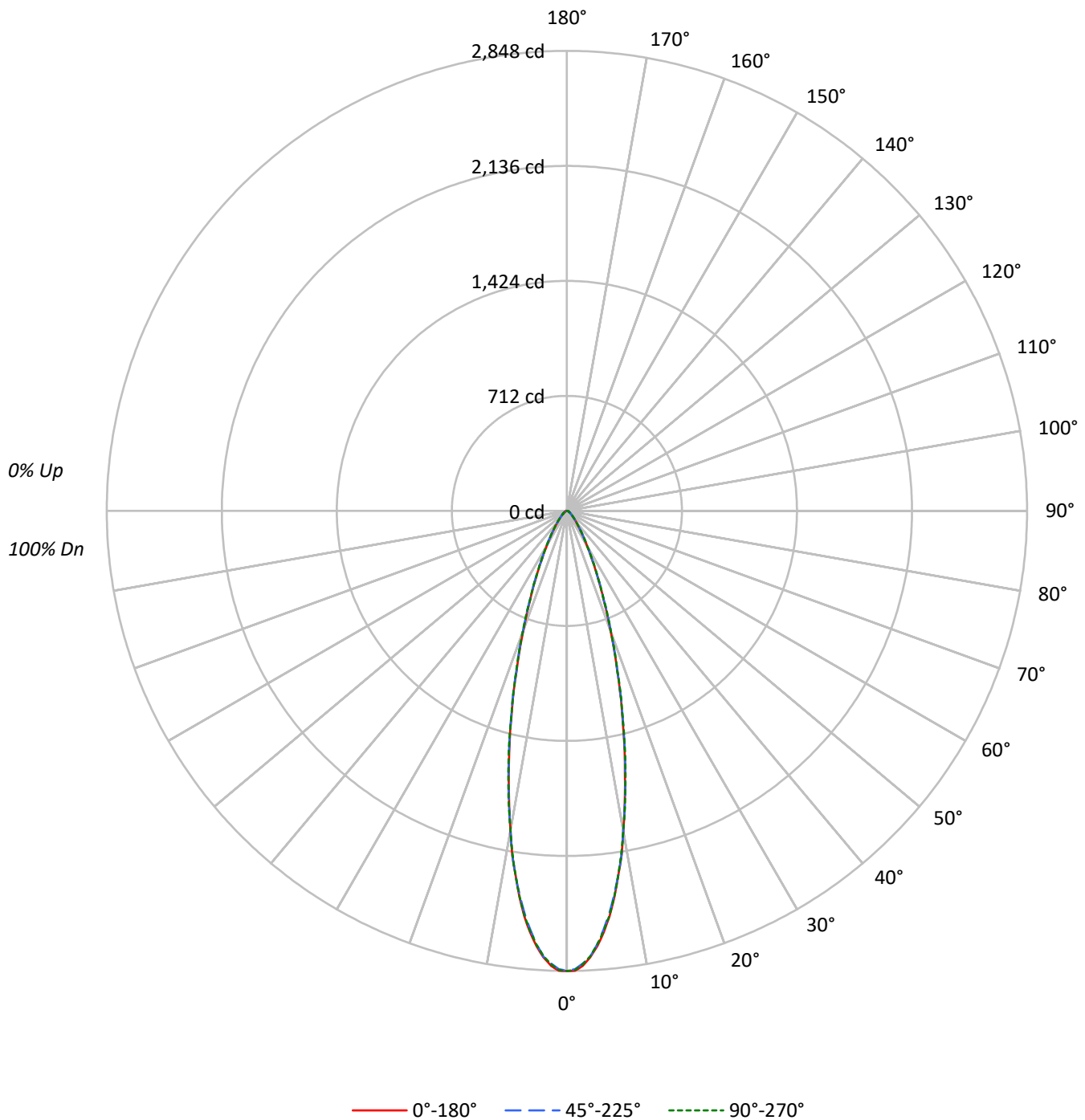
Lumens per Lamp: N/A
Luminaire Lumens: 1001.0 lumens
Efficiency: N/A
Efficacy: 49.1 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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
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	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	490559	490559	490559
5°	452567	449973	451495
10°	351193	351630	351630
15°	237368	238491	238491
20°	144165	145997	146675
25°	84562	85759	85512
30°	49339	50333	50572
35°	30149	30927	30927
40°	19627	19897	20189
45°	13664	13956	14273
50°	10021	10342	10342
55°	7867	8227	8227
60°	6854	6854	7302
65°	6113	6113	6602
70°	5640	5640	5640
75°	4991	4991	4991
80°	3670	3670	4959
85°	2371	2371	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14273 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.7	22.9
10°-20°	367.8	36.7
20°-30°	213.0	21.3
30°-40°	95.5	9.5
40°-50°	45.3	4.5
50°-60°	24.8	2.5
60°-70°	15.1	1.5
70°-80°	8.1	0.8
80°-90°	1.7	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°	810.5	81.0
0°-40°	906.0	90.5
0°-60°	976.1	97.5
0°-90°	1001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1001.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2848	2848	2848	2848	2848	
5°	2618	2609	2603	2608	2612	230
15°	1331	1331	1338	1331	1338	367
25°	445	445	451	448	450	211
35°	143	145	147	148	147	94
45°	56	56	57	57	59	44
55°	26	26	27	27	27	24
65°	15	15	15	15	16	15
75°	8	8	8	8	8	8
85°	1	1	1	1	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2848.4	2848.4	2848.4	2848.4	2848.4
1°	2847.2	2839.7	2837.2	2834.7	2842.2
2°	2818.5	2809.8	2804.8	2807.3	2808.5
3°	2767.4	2762.4	2762.4	2758.7	2761.2
4°	2701.3	2691.3	2691.3	2692.6	2692.6
5°	2617.8	2609.1	2602.8	2607.8	2611.6
6°	2524.3	2513.1	2508.1	2509.3	2518.1
7°	2409.6	2394.7	2397.2	2403.4	2403.4
8°	2280.0	2278.7	2281.2	2278.7	2281.2
9°	2160.3	2142.9	2157.8	2145.4	2151.6
10°	2008.2	2007.0	2010.7	2014.5	2010.7
12.5°	1661.7	1667.9	1670.4	1665.4	1676.6
15°	1331.3	1331.3	1337.6	1331.3	1337.6
17.5°	1035.9	1034.7	1039.6	1034.7	1042.1
20°	786.6	795.3	796.6	796.6	800.3
22.5°	593.4	593.4	598.4	599.6	597.1
25°	445.0	445.0	451.3	447.5	450.0
27.5°	329.1	331.6	336.6	339.1	339.1
30°	248.1	249.3	253.1	254.3	254.3
32.5°	187.0	189.5	192.0	193.2	194.5
35°	143.4	144.6	147.1	148.3	147.1
37.5°	109.7	110.9	113.4	114.7	114.7
40°	87.3	87.3	88.5	89.8	89.8
42.5°	68.6	69.8	69.8	71.1	71.1
45°	56.1	56.1	57.3	57.3	58.6
47.5°	44.9	44.9	46.1	47.4	47.4
50°	37.4	37.4	38.6	38.6	38.6
52.5°	31.2	31.2	32.4	32.4	32.4
55°	26.2	26.2	27.4	27.4	27.4
57.5°	22.4	22.4	23.7	23.7	23.7
60°	19.9	19.9	19.9	19.9	21.2
62.5°	17.5	17.5	17.5	17.5	17.5
65°	15.0	15.0	15.0	15.0	16.2
67.5°	12.5	12.5	12.5	12.5	13.7
70°	11.2	11.2	11.2	11.2	11.2
72.5°	8.7	8.7	8.7	10.0	10.0
75°	7.5	7.5	7.5	7.5	7.5
77.5°	6.2	6.2	6.2	6.2	6.2
80°	3.7	3.7	3.7	5.0	5.0
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)