

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: P1311609

Luminaire Tested: LDSQA3D17R209040DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311609
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: LDSQA3D17R209040DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

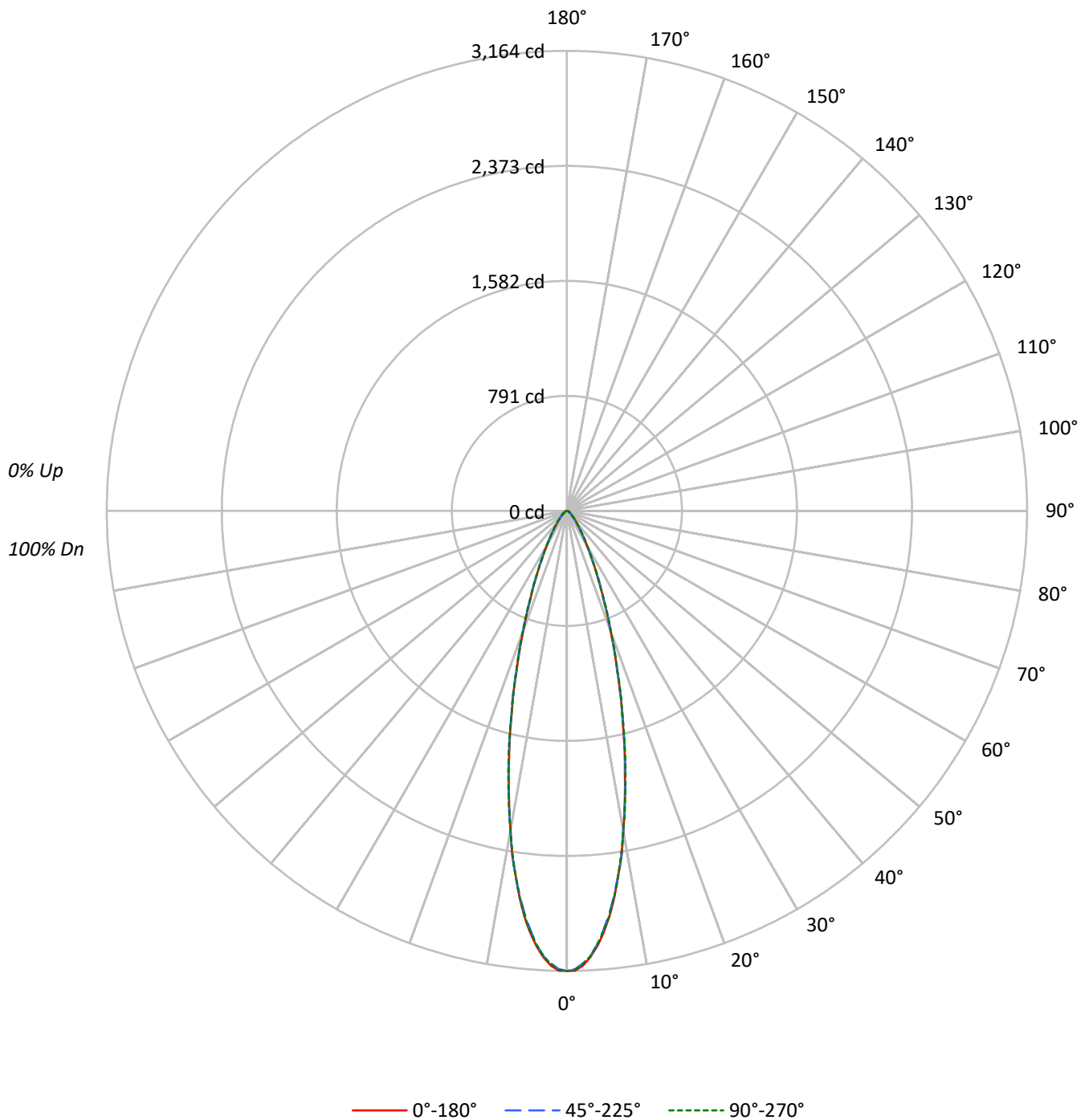
Lumens per Lamp: N/A
Luminaire Lumens: 1112.0 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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°	544964	544964	544964
5°	502754	499884	501561
10°	390139	390628	390628
15°	263703	264933	264933
20°	160146	162180	162932
25°	93949	95260	94994
30°	54807	55901	56180
35°	33492	34354	34354
40°	21785	22100	22415
45°	15174	15515	15856
50°	11119	11494	11494
55°	8738	9158	9158
60°	7647	7647	8094
65°	6765	6765	7335
70°	6294	6294	6294
75°	5523	5523	5523
80°	4166	4166	5455
85°	2766	2766	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 15856 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.2	22.9
10°-20°	408.6	36.7
20°-30°	236.6	21.3
30°-40°	106.1	9.5
40°-50°	50.3	4.5
50°-60°	27.6	2.5
60°-70°	16.7	1.5
70°-80°	9.0	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°	900.4	81.0
0°-40°	1006.5	90.5
0°-60°	1084.4	97.5
0°-90°	1112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1112.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3164	3164	3164	3164	3164	
5°	2908	2898	2892	2897	2901	256
15°	1479	1479	1486	1479	1486	407
25°	494	494	501	497	500	234
35°	159	161	163	165	163	104
45°	62	62	64	64	65	49
55°	29	29	30	30	30	27
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°	3164.3	3164.3	3164.3	3164.3	3164.3
1°	3162.9	3154.6	3151.8	3149.0	3157.4
2°	3131.0	3121.3	3115.8	3118.6	3120.0
3°	3074.3	3068.7	3068.7	3064.6	3067.3
4°	3000.9	2989.8	2989.8	2991.2	2991.2
5°	2908.1	2898.4	2891.5	2897.0	2901.2
6°	2804.2	2791.8	2786.2	2787.6	2797.3
7°	2676.8	2660.2	2663.0	2669.9	2669.9
8°	2532.8	2531.4	2534.2	2531.4	2534.2
9°	2399.9	2380.5	2397.1	2383.2	2390.2
10°	2230.9	2229.5	2233.7	2237.8	2233.7
12.5°	1845.9	1852.9	1855.6	1850.1	1862.6
15°	1479.0	1479.0	1485.9	1479.0	1485.9
17.5°	1150.8	1149.4	1154.9	1149.4	1157.7
20°	873.8	883.5	884.9	884.9	889.0
22.5°	659.2	659.2	664.7	666.1	663.3
25°	494.4	494.4	501.3	497.1	499.9
27.5°	365.6	368.4	373.9	376.7	376.7
30°	275.6	277.0	281.1	282.5	282.5
32.5°	207.7	210.5	213.3	214.6	216.0
35°	159.3	160.6	163.4	164.8	163.4
37.5°	121.9	123.2	126.0	127.4	127.4
40°	96.9	96.9	98.3	99.7	99.7
42.5°	76.2	77.5	77.5	78.9	78.9
45°	62.3	62.3	63.7	63.7	65.1
47.5°	49.9	49.9	51.2	52.6	52.6
50°	41.5	41.5	42.9	42.9	42.9
52.5°	34.6	34.6	36.0	36.0	36.0
55°	29.1	29.1	30.5	30.5	30.5
57.5°	24.9	24.9	26.3	26.3	26.3
60°	22.2	22.2	22.2	22.2	23.5
62.5°	19.4	19.4	19.4	19.4	19.4
65°	16.6	16.6	16.6	16.6	18.0
67.5°	13.8	13.8	13.8	13.8	15.2
70°	12.5	12.5	12.5	12.5	12.5
72.5°	9.7	9.7	9.7	11.1	11.1
75°	8.3	8.3	8.3	8.3	8.3
77.5°	6.9	6.9	6.9	6.9	6.9
80°	4.2	4.2	4.2	5.5	5.5
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)