

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: P1311789

Luminaire Tested: LDSQA3D20R309040D010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311789
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: LDSQA3D20R309040D010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

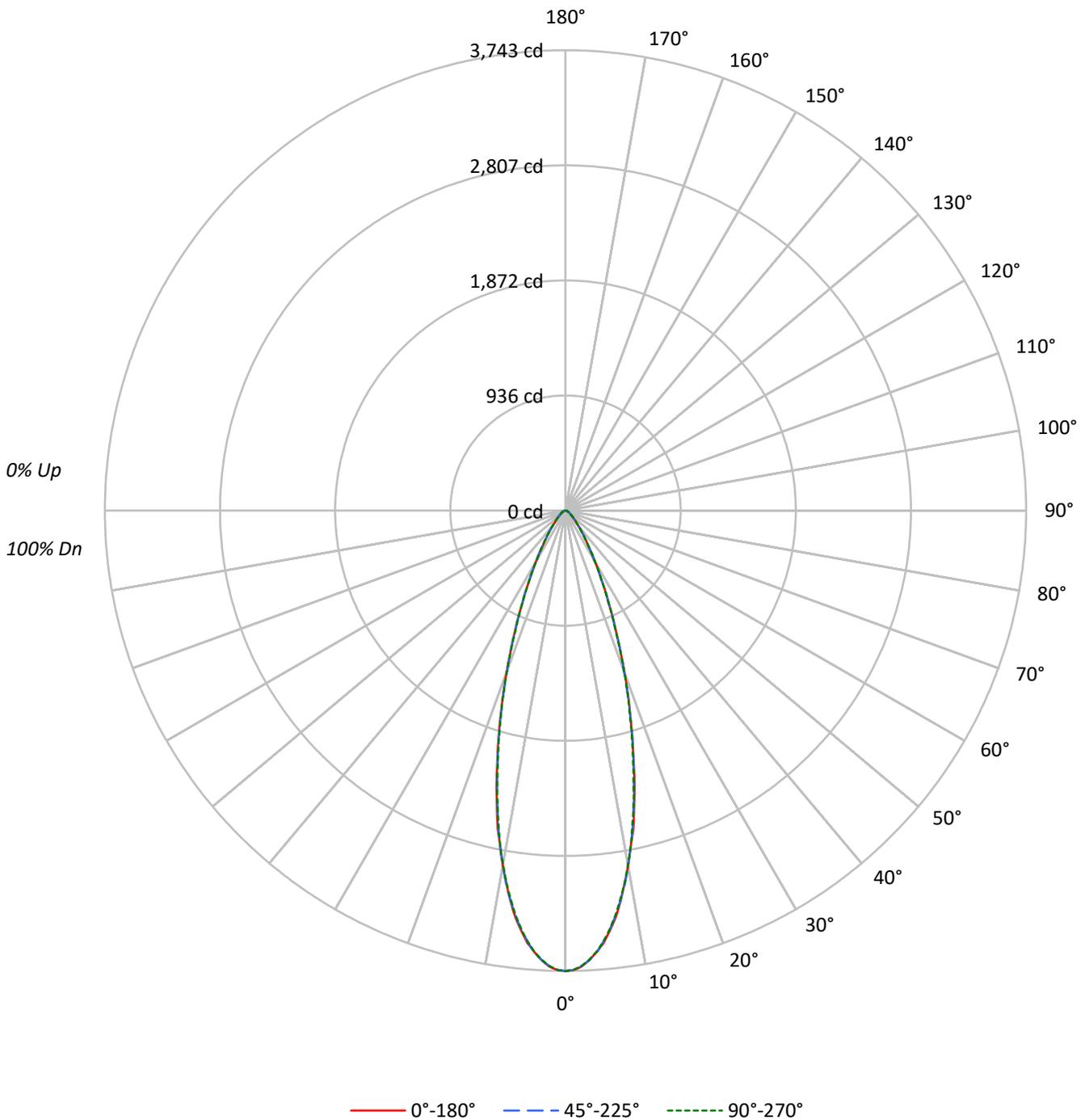
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1644.0 lumens
Efficiency: N/A
Efficacy: 57.1 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 (A_{in}): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	644698	644698	644698
5°	610372	608799	608488
10°	512764	512764	510858
15°	382039	381076	378794
20°	255688	254368	254698
25°	157608	157266	157969
30°	94779	94779	95137
35°	58133	58133	58511
40°	36803	36803	37613
45°	25257	25696	25696
50°	18514	18514	18514
55°	14202	14743	14743
60°	11918	11918	12538
65°	10392	10392	10392
70°	9165	10071	10071
75°	8451	8451	8451
80°	7240	7240	7240
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 25696 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.3	19.3
10°-20°	585.9	35.6
20°-30°	389.5	23.7
30°-40°	180.1	11.0
40°-50°	83.6	5.1
50°-60°	44.7	2.7
60°-70°	26.1	1.6
70°-80°	13.8	0.8
80°-90°	3.0	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°	1292.8	78.6
0°-40°	1472.9	89.6
0°-60°	1601.1	97.4
0°-90°	1644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1644.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3743	3743	3743	3743	3743	
5°	3531	3523	3522	3531	3520	318
15°	2143	2150	2137	2137	2124	588
25°	829	828	828	828	831	390
35°	276	275	276	278	278	179
45°	104	104	106	106	106	83
55°	47	49	49	49	49	44
65°	26	26	26	26	26	25
75°	13	13	13	13	13	13
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°	3743.4	3743.4	3743.4	3743.4	3743.4
1°	3736.1	3732.5	3736.1	3741.6	3734.3
2°	3710.7	3707.0	3707.0	3714.3	3707.0
3°	3661.5	3665.2	3663.4	3670.6	3657.9
4°	3599.7	3597.9	3605.2	3608.8	3597.9
5°	3530.6	3523.3	3521.5	3530.6	3519.7
6°	3436.0	3430.5	3426.9	3437.8	3423.3
7°	3334.1	3330.5	3325.0	3328.7	3317.8
8°	3208.6	3206.8	3203.2	3206.8	3194.1
9°	3068.6	3068.6	3075.8	3074.0	3066.7
10°	2932.1	2935.8	2932.1	2935.8	2921.2
11°	2779.4	2779.4	2783.0	2781.2	2783.0
12°	2646.6	2632.0	2628.4	2624.7	2613.8
13°	2475.6	2464.7	2461.0	2464.7	2459.2
14°	2319.2	2311.9	2293.7	2297.3	2290.1
15°	2142.7	2150.0	2137.3	2137.3	2124.5
17.5°	1751.6	1744.4	1748.0	1749.8	1744.4
20°	1395.1	1391.5	1387.9	1384.2	1389.7
22.5°	1084.1	1085.9	1082.3	1078.6	1075.0
25°	829.4	827.6	827.6	827.6	831.3
27.5°	629.4	629.4	629.4	631.2	631.2
30°	476.6	472.9	476.6	478.4	478.4
32.5°	356.5	360.2	362.0	362.0	362.0
35°	276.5	274.7	276.5	278.3	278.3
37.5°	211.0	211.0	212.8	212.8	214.6
40°	163.7	163.7	163.7	165.5	167.3
42.5°	129.1	129.1	131.0	131.0	132.8
45°	103.7	103.7	105.5	105.5	105.5
47.5°	83.7	83.7	85.5	85.5	85.5
50°	69.1	69.1	69.1	69.1	69.1
52.5°	58.2	56.4	58.2	58.2	58.2
55°	47.3	49.1	49.1	49.1	49.1
57.5°	40.0	41.8	41.8	41.8	41.8
60°	34.6	34.6	34.6	36.4	36.4
62.5°	29.1	30.9	30.9	30.9	30.9
65°	25.5	25.5	25.5	25.5	25.5
67.5°	21.8	21.8	21.8	21.8	23.6
70°	18.2	18.2	20.0	20.0	20.0
72.5°	16.4	16.4	16.4	16.4	16.4
75°	12.7	12.7	12.7	12.7	12.7
77.5°	9.1	9.1	10.9	10.9	9.1
80°	7.3	7.3	7.3	7.3	7.3
82.5°	5.5	5.5	5.5	5.5	5.5
85°	1.8	1.8	1.8	1.8	1.8
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)