

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: P1319771

Luminaire Tested: LDSQA3D05R159840DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159840DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

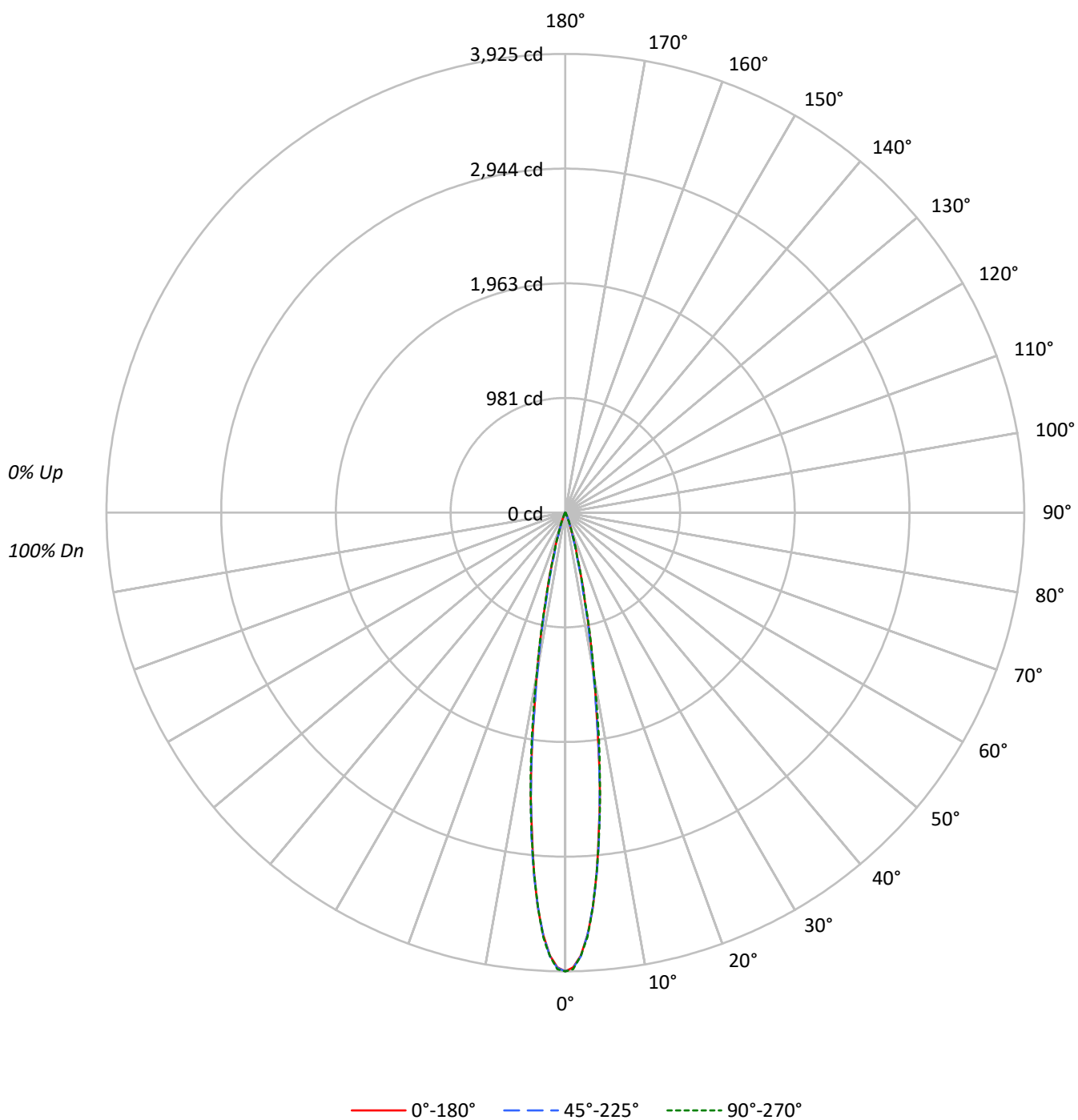
Lumens per Lamp: N/A
Luminaire Lumens: 393.0 lumens
Efficiency: N/A
Efficacy: 54.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	116	114	112	111	113	112	110	109	108	107	106		104	104	103		101
2	113	110	107	105	111	108	106	104	105	104	102		102	101	100		100
3	110	107	104	101	109	105	103	100	103	101	99		101	99	97		99
4	108	104	100	98	106	103	100	98	101	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	99	96	94		97	95	94		96
6	104	99	96	93	103	98	95	93	97	94	92		96	94	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		94
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	98	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	88	87		90	88	86		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	675957	675957	675957
5°	533198	534616	532714
10°	243939	237539	249098
15°	72532	64758	71052
20°	21535	20893	22616
25°	6119	7924	7088
30°	2188	2347	2108
35°	820	736	736
40°	360	180	270
45°	195	97	195
50°	107	0	107
55°	120	0	120
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 204 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.1	60.3
10°-20°	131.7	33.5
20°-30°	21.0	5.3
30°-40°	2.7	0.7
40°-50°	0.4	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	389.8	99.2
0°-40°	392.5	99.9
0°-60°	393.0	100.0
0°-90°	393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	393.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3925	3925	3925	3925	3925	
5°	3084	3110	3092	3079	3081	237
15°	407	402	363	386	398	134
25°	32	36	42	42	37	20
35°	4	4	4	4	4	3
45°	1	0	0	0	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3924.9	3924.9	3924.9	3924.9	3924.9	3924.9	3924.9	3924.9	3924.9	3924.9	3924.9
1°	3891.1	3895.4	3900.9	3895.8	3891.1	3895.4	3889.5	3890.3	3885.6	3895.8	3907.2
2°	3792.0	3797.5	3794.4	3787.3	3798.3	3799.1	3786.9	3781.0	3780.2	3790.5	3794.4
3°	3616.7	3629.3	3629.7	3627.3	3623.8	3616.7	3604.2	3612.4	3601.0	3593.9	3634.0
4°	3383.7	3394.7	3407.6	3399.0	3373.1	3375.4	3383.7	3355.8	3357.3	3373.4	3374.6
5°	3084.2	3117.6	3119.1	3107.0	3086.5	3092.4	3086.5	3078.7	3081.4	3091.6	3081.4
6°	2731.6	2769.3	2741.4	2768.2	2762.3	2769.7	2771.7	2763.4	2769.3	2763.1	2761.1
7°	2427.0	2398.3	2402.2	2391.2	2403.0	2410.9	2415.6	2401.5	2412.9	2430.9	2436.0
8°	2049.3	2041.0	2032.8	2052.4	2046.9	2056.4	2062.3	2078.0	2077.2	2082.7	2100.8
9°	1689.7	1701.9	1709.3	1692.0	1707.0	1677.9	1688.1	1730.2	1719.1	1730.2	1762.4
10°	1394.9	1404.7	1393.7	1393.3	1377.6	1358.3	1357.2	1372.9	1405.9	1431.8	1424.4
12.5°	769.6	778.2	779.4	778.6	750.3	718.5	724.4	736.9	757.4	766.0	780.2
15°	406.8	406.4	410.7	398.5	383.6	363.2	364.7	382.0	397.4	401.3	398.5
17.5°	208.7	209.5	212.6	209.5	193.8	195.7	200.1	202.0	211.1	214.6	212.6
20°	117.5	117.9	117.5	118.7	112.4	114.0	119.5	119.9	121.8	123.8	123.4
22.5°	67.2	67.6	70.0	69.2	67.6	69.6	70.7	72.7	73.5	72.7	75.1
25°	32.2	32.6	32.6	37.3	39.7	41.7	42.4	41.7	40.9	37.7	37.3
27.5°	18.5	18.5	19.3	19.7	20.4	24.0	23.6	19.7	16.5	16.5	16.9
30°	11.0	10.6	10.6	11.0	11.4	11.8	11.0	10.6	10.6	11.0	10.6
32.5°	6.7	6.7	6.7	6.3	6.3	5.9	5.9	6.7	6.7	6.7	6.7
35°	3.9	3.9	3.9	3.9	3.5	3.5	3.5	3.9	3.9	3.5	3.5
37.5°	2.4	2.4	2.4	2.0	2.0	1.6	2.0	2.0	2.0	2.0	2.0
40°	1.6	1.6	1.2	1.2	0.8	0.8	0.8	1.2	1.2	1.2	1.2
42.5°	1.2	1.2	0.8	0.8	0.4	0.4	0.4	0.8	0.8	0.8	0.8
45°	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
47.5°	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4
50°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
52.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)