

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: P1310542

Luminaire Tested: LDSQA3D17R359035DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359035DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

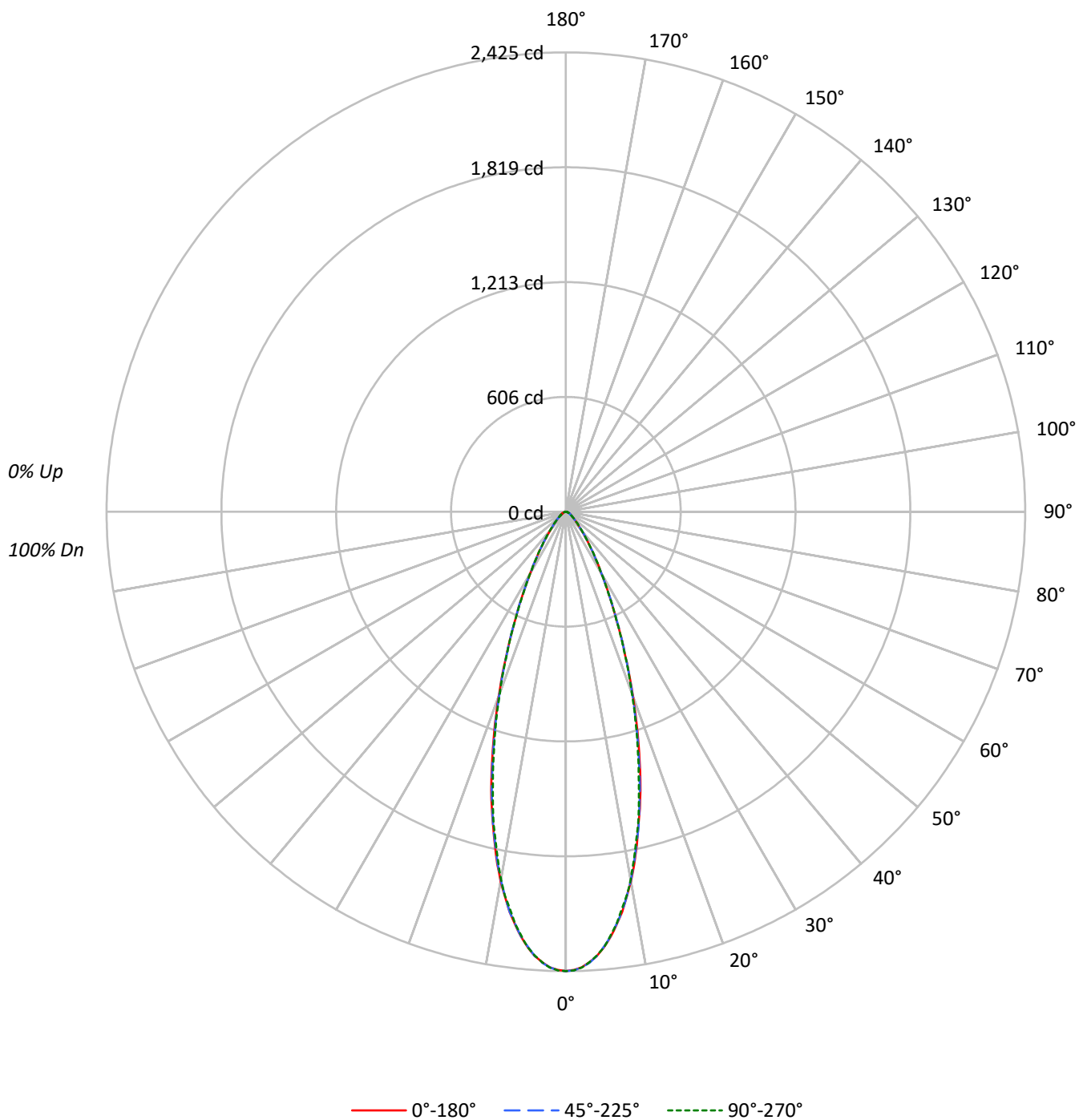
Lumens per Lamp: N/A
Luminaire Lumens: 1196.0 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1310542

CATALOG NUMBER: LDSQA3D17R359035DE010 3LSQPHRL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1310542

CATALOG NUMBER: LDSQA3D17R359035DE010 3LSQPHRL1MB

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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	417657	417657	417657
5°	399095	398403	399095
10°	346471	345317	344845
15°	271494	269355	265111
20°	189928	188224	187014
25°	120629	121370	120629
30°	74316	74853	74316
35°	45981	46254	46254
40°	29204	29496	29496
45°	19680	20021	20337
50°	14200	14549	14549
55°	11140	11140	11140
60°	9128	9128	9128
65°	8110	8110	8110
70°	7352	7352	7352
75°	6188	6188	6188
80°	5256	5256	5256
85°	2569	2569	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 20337 cd/sqm

TEST NUMBER: P1310542

CATALOG NUMBER: LDSQA3D17R359035DE010 3LSQPHRL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.6	17.5
10°-20°	412.6	34.5
20°-30°	297.7	24.9
30°-40°	143.5	12.0
40°-50°	66.2	5.5
50°-60°	34.2	2.9
60°-70°	19.8	1.7
70°-80°	10.0	0.8
80°-90°	2.3	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°	920.0	76.9
0°-40°	1063.5	88.9
0°-60°	1163.9	97.3
0°-90°	1196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2425	2425	2425	2425	2425	
5°	2308	2314	2304	2306	2308	210
15°	1523	1520	1511	1504	1487	415
25°	635	636	639	639	635	298
35°	219	219	220	220	220	143
45°	81	82	82	84	84	65
55°	37	37	37	37	37	34
65°	20	20	20	20	20	19
75°	9	9	9	9	9	10
85°	1	1	1	1	3	2
90°	0	0	0	0	0	

TEST NUMBER: P1310542

CATALOG NUMBER: LDSQA3D17R359035DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2425.1	2425.1	2425.1	2425.1	2425.1
1°	2418.5	2422.5	2421.1	2422.5	2421.1
2°	2406.6	2409.2	2406.6	2407.9	2407.9
3°	2381.4	2384.0	2384.0	2382.7	2381.4
4°	2350.9	2357.5	2350.9	2352.2	2348.3
5°	2308.5	2313.8	2304.5	2305.9	2308.5
6°	2256.8	2258.1	2255.5	2254.2	2251.5
7°	2197.2	2202.5	2193.2	2194.5	2191.9
8°	2133.6	2132.3	2132.3	2126.9	2119.0
9°	2056.7	2062.0	2054.1	2051.4	2052.7
10°	1981.2	1981.2	1974.6	1967.9	1971.9
11°	1895.0	1892.4	1888.4	1879.1	1876.5
12°	1801.0	1806.3	1794.3	1790.3	1781.1
13°	1704.2	1712.2	1706.9	1692.3	1693.6
14°	1614.1	1608.8	1604.8	1602.2	1592.9
15°	1522.7	1520.0	1510.7	1504.1	1486.9
17.5°	1272.2	1274.8	1257.6	1255.0	1248.3
20°	1036.3	1028.4	1027.0	1028.4	1020.4
22.5°	817.6	825.6	816.3	817.6	812.3
25°	634.8	636.1	638.7	638.7	634.8
27.5°	493.0	493.0	490.3	493.0	489.0
30°	373.7	373.7	376.4	379.0	373.7
32.5°	288.9	288.9	288.9	290.2	291.5
35°	218.7	218.7	220.0	220.0	220.0
37.5°	168.3	169.6	171.0	171.0	171.0
40°	129.9	131.2	131.2	132.5	131.2
42.5°	103.4	103.4	103.4	104.7	104.7
45°	80.8	82.2	82.2	83.5	83.5
47.5°	66.3	66.3	66.3	67.6	67.6
50°	53.0	54.3	54.3	54.3	54.3
52.5°	43.7	43.7	45.1	45.1	45.1
55°	37.1	37.1	37.1	37.1	37.1
57.5°	30.5	31.8	31.8	31.8	31.8
60°	26.5	26.5	26.5	26.5	26.5
62.5°	22.5	22.5	22.5	22.5	22.5
65°	19.9	19.9	19.9	19.9	19.9
67.5°	15.9	17.2	17.2	17.2	17.2
70°	14.6	14.6	14.6	14.6	14.6
72.5°	10.6	11.9	11.9	11.9	11.9
75°	9.3	9.3	9.3	9.3	9.3
77.5°	8.0	6.6	6.6	6.6	8.0
80°	5.3	5.3	5.3	5.3	5.3
82.5°	4.0	4.0	4.0	4.0	4.0
85°	1.3	1.3	1.3	1.3	2.7
87.5°	0.0	0.0	0.0	1.3	1.3



TEST NUMBER: P1310542

CATALOG NUMBER: LDSQA3D17R359035DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)