

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: P1310546

Luminaire Tested: LDSQA3D17R359035DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359035DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

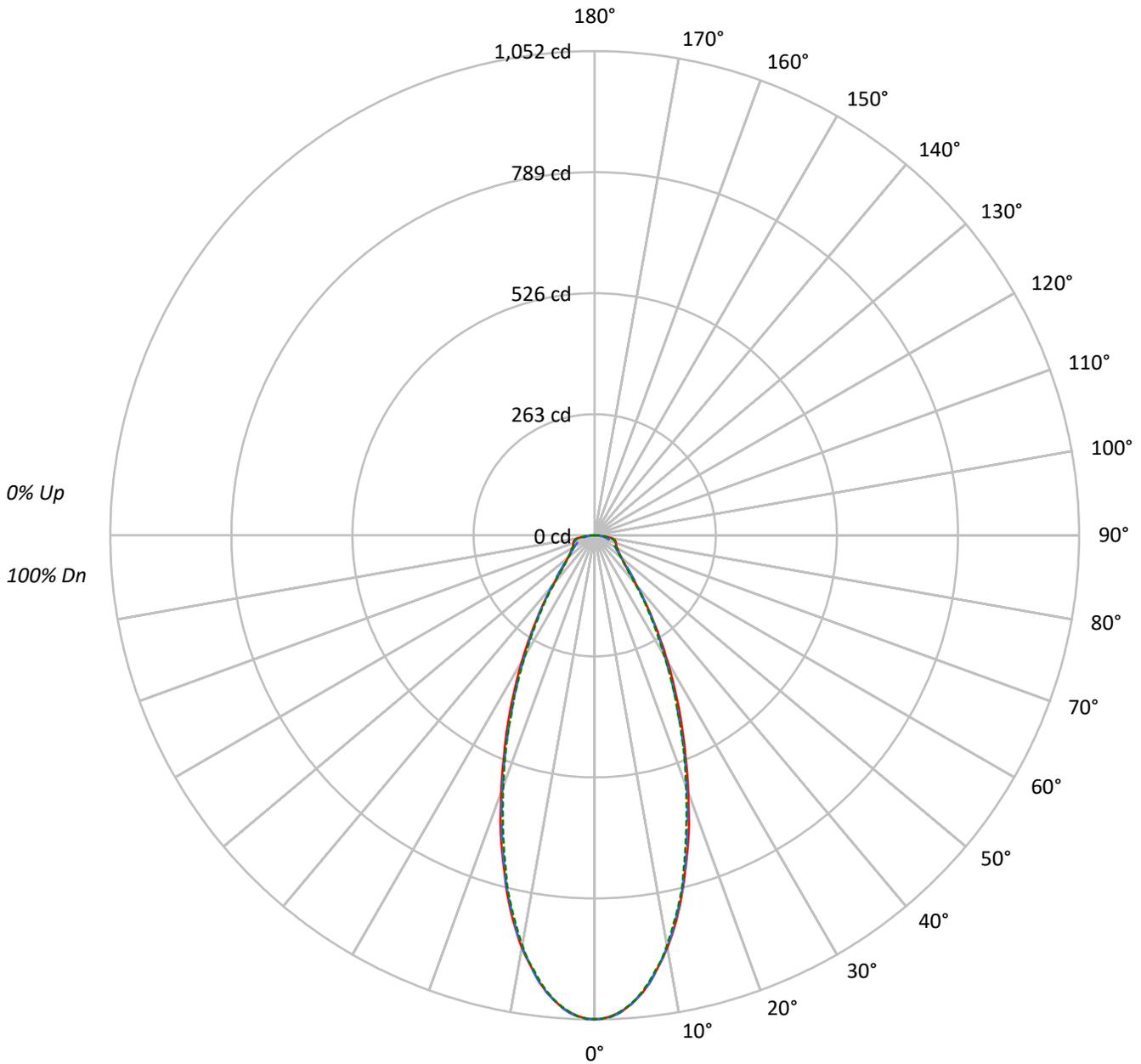
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 870.0 lumens
Efficiency: N/A
Efficacy: 41.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
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 (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

TEST NUMBER: P1310546
CATALOG NUMBER: LDSQA3D17R359035DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ···· 90°-270°



TEST NUMBER: P1310546

CATALOG NUMBER: LDSQA3D17R359035DE010 3LSQPHRLP1MW

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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	181092	181092	181092
5°	175145	175370	175145
10°	159105	158878	158178
15°	135061	134597	133420
20°	108737	107289	106318
25°	84049	81540	81540
30°	62682	60574	60038
35°	45098	44551	43437
40°	31565	32464	30373
45°	23552	24843	22895
50°	20229	20229	19880
55°	19097	18286	18676
60°	19599	17773	18703
65°	21028	17808	20498
70°	24674	18682	24019
75°	30875	19364	29944
80°	39374	21026	35506
85°	31419	20946	31419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 39374 cd/sqm



TEST NUMBER: P1310546

CATALOG NUMBER: LDSQA3D17R359035DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	10.7
10°-20°	208.4	24.0
20°-30°	199.0	22.9
30°-40°	133.7	15.4
40°-50°	78.5	9.0
50°-60°	56.1	6.5
60°-70°	46.7	5.4
70°-80°	38.3	4.4
80°-90°	15.8	1.8
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°	500.9	57.6
0°-40°	634.5	72.9
0°-60°	769.2	88.4
0°-90°	870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1052	1052	1052	1052	1052	
5°	1013	1016	1014	1013	1013	93
15°	758	759	755	750	748	210
25°	442	437	429	429	429	203
35°	214	214	212	208	207	136
45°	97	99	102	97	94	78
55°	64	62	61	61	62	58
65°	52	46	44	46	50	52
75°	46	36	29	36	45	48
85°	16	17	11	17	16	18
90°	0	0	0	0	0	



TEST NUMBER: P1310546

CATALOG NUMBER: LDSQA3D17R359035DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1051.5	1051.5	1051.5	1051.5	1051.5
1°	1050.2	1051.5	1051.5	1050.2	1050.2
2°	1044.9	1047.6	1046.2	1044.9	1046.2
3°	1038.3	1040.9	1039.6	1038.3	1037.0
4°	1027.7	1030.3	1029.0	1026.4	1026.4
5°	1013.1	1015.8	1014.4	1013.1	1013.1
6°	998.6	1001.2	998.6	995.9	995.9
7°	978.7	982.7	980.0	977.4	976.0
8°	956.2	960.1	957.5	956.2	953.5
9°	933.7	936.3	932.3	932.3	932.3
10°	909.8	911.1	908.5	904.5	904.5
11°	883.3	882.0	880.7	878.0	875.4
12°	854.2	854.2	850.2	847.6	846.3
13°	823.7	822.4	819.8	817.1	817.1
14°	792.0	792.0	789.3	784.0	785.3
15°	757.5	758.8	754.9	749.6	748.3
17.5°	679.4	676.7	670.1	666.1	662.2
20°	593.3	592.0	585.4	581.4	580.1
22.5°	513.8	512.5	505.9	501.9	504.6
25°	442.3	437.0	429.1	429.1	429.1
27.5°	376.1	369.5	364.2	361.5	364.2
30°	315.2	309.9	304.6	303.3	301.9
32.5°	260.9	258.2	255.6	251.6	251.6
35°	214.5	214.5	211.9	207.9	206.6
37.5°	174.8	176.1	174.8	170.8	169.5
40°	140.4	143.0	144.4	140.4	135.1
42.5°	115.2	119.2	121.8	115.2	111.2
45°	96.7	99.3	102.0	96.7	94.0
47.5°	84.8	86.1	87.4	83.4	82.1
50°	75.5	75.5	75.5	74.2	74.2
52.5°	68.9	68.9	67.5	66.2	66.2
55°	63.6	62.2	60.9	60.9	62.2
57.5°	59.6	58.3	55.6	56.9	58.3
60°	56.9	54.3	51.6	53.0	54.3
62.5°	53.0	50.3	47.7	49.0	51.6
65°	51.6	46.4	43.7	46.4	50.3
67.5°	50.3	43.7	39.7	43.7	49.0
70°	49.0	41.1	37.1	41.1	47.7
72.5°	47.7	38.4	33.1	38.4	46.4
75°	46.4	35.8	29.1	35.8	45.0
77.5°	43.7	33.1	25.2	33.1	41.1
80°	39.7	30.5	21.2	29.1	35.8
82.5°	29.1	25.2	17.2	25.2	26.5
85°	15.9	17.2	10.6	17.2	15.9
87.5°	1.3	2.6	2.6	7.9	5.3



TEST NUMBER: P1310546
CATALOG NUMBER: LDSQA3D17R359035DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)