

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: P1308598

Luminaire Tested: LDSQA3D24R359027D010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308598
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: LDSQA3D24R359027D010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

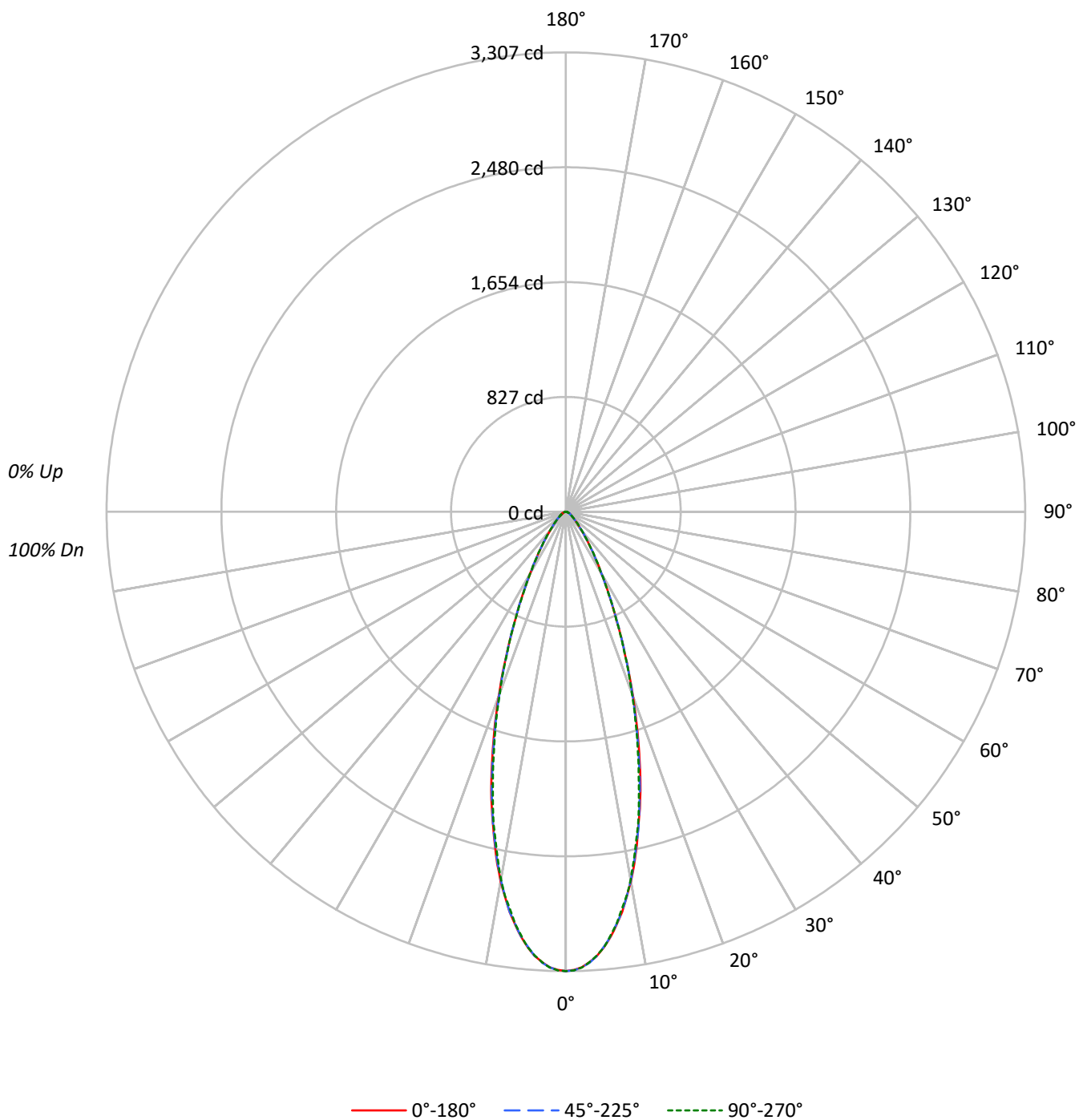
Lumens per Lamp: N/A
Luminaire Lumens: 1631.0 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1308598

CATALOG NUMBER: LDSQA3D24R359027D010 3LSQPHRL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308598

CATALOG NUMBER: LDSQA3D24R359027D010 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	97	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°	569575	569575	569575
5°	544245	543312	544245
10°	472489	470898	470268
15°	370236	367330	361535
20°	259005	256696	255028
25°	164487	165532	164487
30°	101342	102058	101342
35°	62695	63074	63074
40°	39816	40220	40220
45°	26840	27279	27741
50°	19371	19854	19854
55°	15193	15193	15193
60°	12434	12434	12434
65°	11044	11044	11044
70°	10021	10021	10021
75°	8451	8451	8451
80°	7141	7141	7141
85°	3557	3557	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 27741 cd/sqm

TEST NUMBER: P1308598

CATALOG NUMBER: LDSQA3D24R359027D010 3LSQPHRL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.8	17.5
10°-20°	562.7	34.5
20°-30°	406.0	24.9
30°-40°	195.7	12.0
40°-50°	90.2	5.5
50°-60°	46.7	2.9
60°-70°	27.0	1.7
70°-80°	13.6	0.8
80°-90°	3.2	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°	1254.6	76.9
0°-40°	1450.3	88.9
0°-60°	1587.2	97.3
0°-90°	1631.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1631.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3307	3307	3307	3307	3307	
5°	3148	3155	3143	3144	3148	286
15°	2076	2073	2060	2051	2028	566
25°	866	868	871	871	866	406
35°	298	298	300	300	300	195
45°	110	112	112	114	114	89
55°	51	51	51	51	51	46
65°	27	27	27	27	27	27
75°	13	13	13	13	13	14
85°	2	2	2	2	4	3
90°	0	0	0	0	0	

TEST NUMBER: P1308598

CATALOG NUMBER: LDSQA3D24R359027D010 3LSQPHRL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3307.2	3307.2	3307.2	3307.2	3307.2
1°	3298.1	3303.6	3301.7	3303.6	3301.7
2°	3281.9	3285.5	3281.9	3283.7	3283.7
3°	3247.5	3251.1	3251.1	3249.3	3247.5
4°	3206.0	3215.0	3206.0	3207.8	3202.3
5°	3148.1	3155.4	3142.7	3144.5	3148.1
6°	3077.7	3079.5	3075.8	3074.0	3070.4
7°	2996.3	3003.6	2990.9	2992.7	2989.1
8°	2909.6	2907.8	2907.8	2900.5	2889.7
9°	2804.8	2812.0	2801.2	2797.5	2799.3
10°	2701.8	2701.8	2692.7	2683.7	2689.1
11°	2584.3	2580.7	2575.3	2562.6	2559.0
12°	2456.0	2463.2	2446.9	2441.5	2428.9
13°	2324.1	2334.9	2327.7	2307.8	2309.6
14°	2201.2	2193.9	2188.5	2184.9	2172.2
15°	2076.5	2072.9	2060.2	2051.2	2027.7
17.5°	1734.9	1738.5	1715.0	1711.4	1702.4
20°	1413.2	1402.4	1400.6	1402.4	1391.5
22.5°	1115.0	1125.9	1113.2	1115.0	1107.8
25°	865.6	867.5	871.1	871.1	865.6
27.5°	672.3	672.3	668.7	672.3	666.9
30°	509.6	509.6	513.2	516.9	509.6
32.5°	394.0	394.0	394.0	395.8	397.6
35°	298.2	298.2	300.0	300.0	300.0
37.5°	229.5	231.3	233.1	233.1	233.1
40°	177.1	178.9	178.9	180.7	178.9
42.5°	141.0	141.0	141.0	142.8	142.8
45°	110.2	112.0	112.0	113.9	113.9
47.5°	90.4	90.4	90.4	92.2	92.2
50°	72.3	74.1	74.1	74.1	74.1
52.5°	59.6	59.6	61.4	61.4	61.4
55°	50.6	50.6	50.6	50.6	50.6
57.5°	41.6	43.4	43.4	43.4	43.4
60°	36.1	36.1	36.1	36.1	36.1
62.5°	30.7	30.7	30.7	30.7	30.7
65°	27.1	27.1	27.1	27.1	27.1
67.5°	21.7	23.5	23.5	23.5	23.5
70°	19.9	19.9	19.9	19.9	19.9
72.5°	14.5	16.3	16.3	16.3	16.3
75°	12.7	12.7	12.7	12.7	12.7
77.5°	10.8	9.0	9.0	9.0	10.8
80°	7.2	7.2	7.2	7.2	7.2
82.5°	5.4	5.4	5.4	5.4	5.4
85°	1.8	1.8	1.8	1.8	3.6
87.5°	0.0	0.0	0.0	1.8	1.8



TEST NUMBER: P1308598

CATALOG NUMBER: LDSQA3D24R359027D010 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)