

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: P1307180

Luminaire Tested: LDSQA3D13R359024DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359024DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

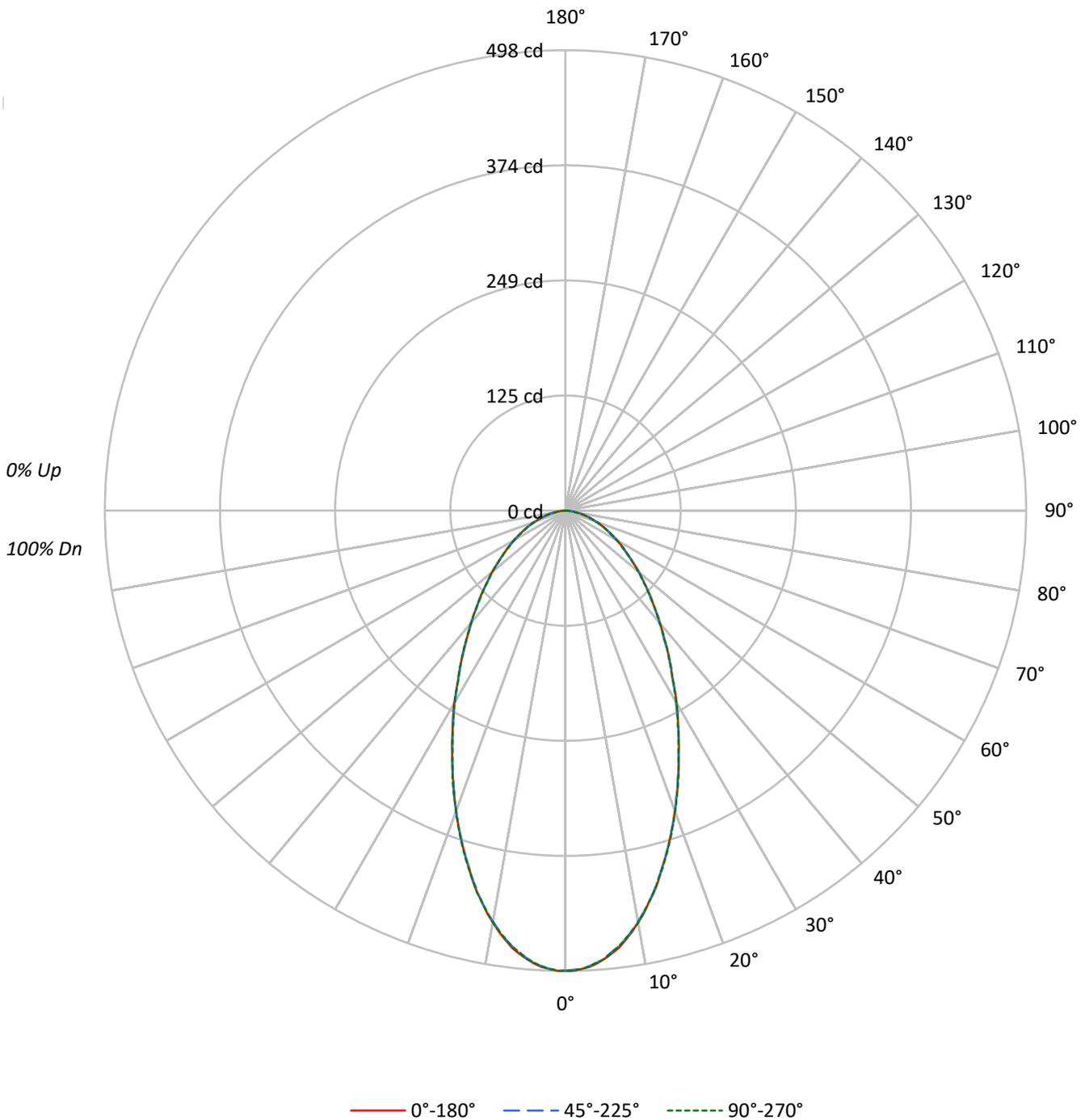
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 665.0 lumens
Efficiency: N/A
Efficacy: 45.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	79	77	
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	70	68	
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	62	60	
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	56	54	
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	51	49	
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	46	44	
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	42	41	
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	39	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	85732	85732	85732
5°	84124	83985	84124
10°	79098	78941	79098
15°	71622	71622	71765
20°	63395	63395	63395
25°	55127	54956	54956
30°	47787	47449	47608
35°	41145	40956	41145
40°	35702	35499	35702
45°	31346	31151	31151
50°	27811	27597	27597
55°	24471	24471	24471
60°	22182	21872	22182
65°	19927	19927	19927
70°	17725	17725	17725
75°	15970	15438	15970
80°	13588	13588	13588
85°	8497	8497	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31346 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	6.8
10°-20°	112.0	16.8
20°-30°	133.1	20.0
30°-40°	122.3	18.4
40°-50°	99.3	14.9
50°-60°	73.5	11.1
60°-70°	48.6	7.3
70°-80°	25.2	3.8
80°-90°	5.7	0.9
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°	290.4	43.7
0°-40°	412.8	62.1
0°-60°	585.6	88.1
0°-90°	665.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	665.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	498	498	498	498	498	
5°	487	486	486	486	487	45
15°	402	402	402	402	402	112
25°	290	289	289	290	289	133
35°	196	195	195	196	196	123
45°	129	128	128	128	128	100
55°	82	82	82	82	82	74
65°	49	49	49	49	49	49
75°	24	24	23	24	24	25
85°	4	4	4	4	4	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	497.8	497.8	497.8	497.8	497.8
1°	497.8	496.9	496.9	496.9	497.8
2°	496.1	496.1	496.1	496.1	496.1
3°	494.3	493.5	493.5	493.5	493.5
4°	490.9	490.1	490.1	490.1	490.1
5°	486.6	485.8	485.8	485.8	486.6
6°	481.5	480.6	479.8	479.8	480.6
7°	476.3	474.6	474.6	474.6	474.6
8°	468.6	467.7	467.7	467.7	467.7
9°	460.9	459.2	460.0	460.0	460.0
10°	452.3	451.4	451.4	451.4	452.3
11°	443.7	442.9	442.9	442.0	442.9
12°	433.4	433.4	433.4	433.4	433.4
13°	424.0	423.1	423.1	423.1	424.0
14°	413.7	412.8	412.8	412.8	412.8
15°	401.7	401.7	401.7	401.7	402.5
17.5°	374.2	373.3	374.2	374.2	375.0
20°	345.9	345.0	345.9	345.9	345.9
22.5°	317.5	317.5	316.7	317.5	318.4
25°	290.1	289.2	289.2	290.1	289.2
27.5°	264.3	263.5	263.5	263.5	263.5
30°	240.3	238.6	238.6	239.4	239.4
32.5°	215.4	215.4	216.3	215.4	215.4
35°	195.7	194.8	194.8	195.7	195.7
37.5°	175.9	175.1	175.1	175.9	175.9
40°	158.8	158.8	157.9	158.8	158.8
42.5°	142.5	142.5	142.5	142.5	142.5
45°	128.7	127.9	127.9	127.9	127.9
47.5°	115.0	115.0	115.0	114.1	115.0
50°	103.8	103.0	103.0	103.0	103.0
52.5°	91.8	91.8	91.8	91.8	91.8
55°	81.5	81.5	81.5	81.5	81.5
57.5°	73.0	72.1	72.1	72.1	72.1
60°	64.4	64.4	63.5	64.4	64.4
62.5°	55.8	55.8	55.8	55.8	55.8
65°	48.9	48.9	48.9	48.9	48.9
67.5°	42.1	42.1	42.1	42.1	42.1
70°	35.2	35.2	35.2	35.2	35.2
72.5°	30.0	29.2	29.2	29.2	29.2
75°	24.0	24.0	23.2	24.0	24.0
77.5°	18.0	18.0	18.0	18.0	18.0
80°	13.7	13.7	13.7	12.9	13.7
82.5°	8.6	8.6	8.6	8.6	8.6
85°	4.3	4.3	4.3	4.3	4.3
87.5°	0.9	0.9	0.9	1.7	1.7



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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)