

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: P1312020

Luminaire Tested: LDSQA3D24R709040D010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R709040D010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

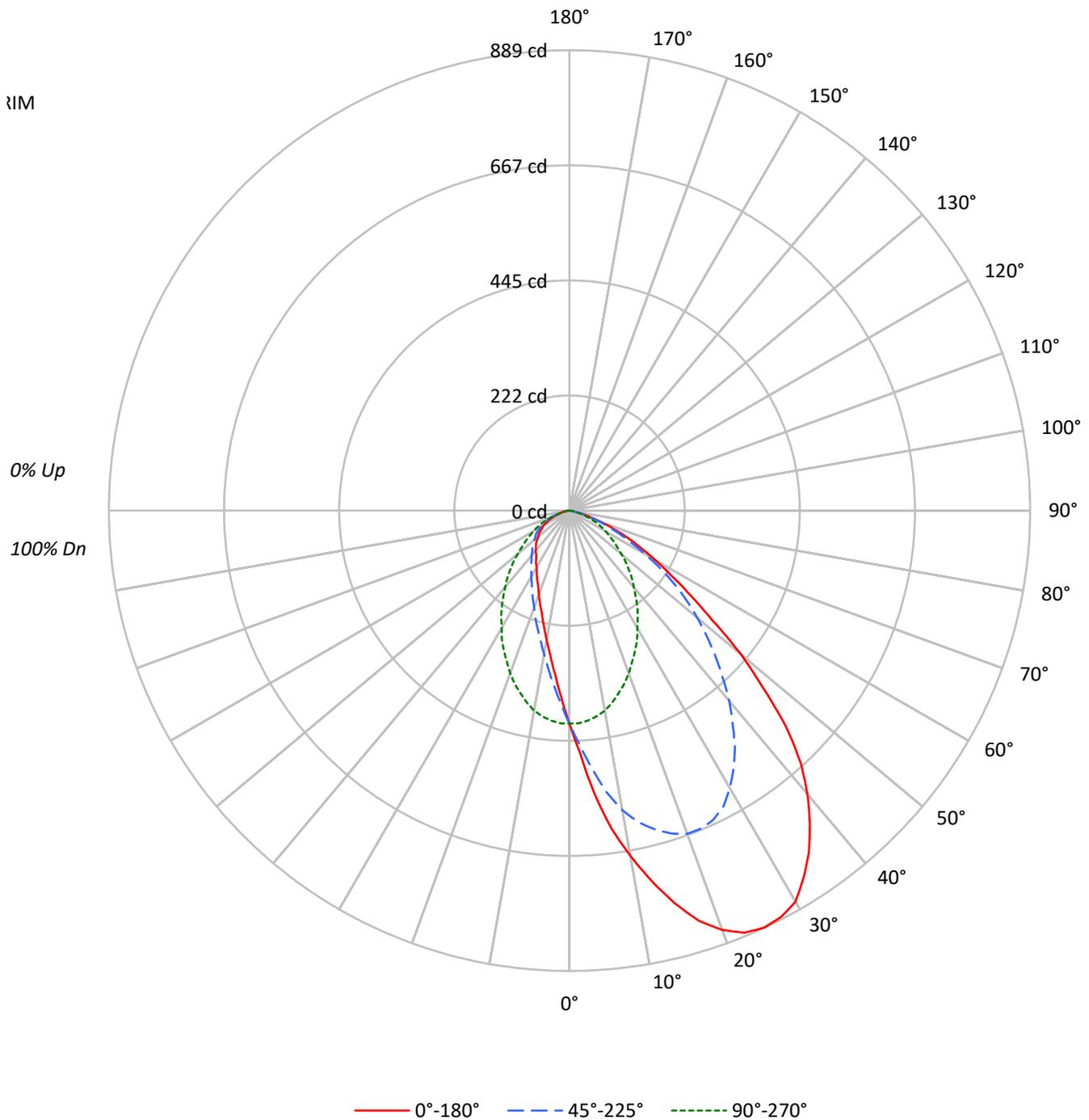
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1004.0 lumens
Efficiency: N/A
Efficacy: 34.9 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
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

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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	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	78	76	
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	68	66	
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	60	58	
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	51	
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	45	
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	40	
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	36	
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	33	
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	30	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	70801	70801	70801	70801	70801
5°	94756	86492	70345	58866	54907
10°	118358	102742	68623	49368	44297
15°	139928	113647	65150	42203	36640
20°	157910	121750	61269	36527	31578
25°	168858	125057	56818	32343	28010
30°	173411	123038	52023	29313	25176
35°	169352	116980	48020	27059	23568
40°	160567	107824	43413	25675	22864
45°	144114	97083	39432	24770	22237
50°	115693	86220	35045	23926	21140
55°	85394	74194	31167	23691	20568
60°	65789	57936	27900	22871	20012
65°	49920	43156	24532	21150	17768
70°	33435	30313	18833	18833	14653
75°	17966	17966	12443	12443	11046
80°	4166	8232	6149	8232	10315
85°	0	4150	4150	8299	8299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 144114 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	4.0
10°-20°	123.2	12.3
20°-30°	189.9	18.9
30°-40°	215.5	21.5
40°-50°	195.0	19.4
50°-60°	136.4	13.6
60°-70°	75.0	7.5
70°-80°	25.1	2.5
80°-90°	3.3	0.3
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°	353.7	35.2
0°-40°	569.2	56.7
0°-60°	900.7	89.7
0°-90°	1004.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1004.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	411	411	411	411	411	
5°	548	500	407	340	318	56
15°	785	637	365	237	206	224
25°	889	658	299	170	147	408
35°	806	556	228	129	112	501
45°	592	399	162	102	91	448
55°	284	247	104	79	68	262
65°	122	106	60	52	44	122
75°	27	27	19	19	17	31
85°	0	2	2	4	4	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1
2.5°	469.2	473.3	475.4	471.3	469.2	467.1	463.0	460.9	456.7	452.6	450.5
5°	548.1	548.1	548.1	543.9	537.7	533.6	525.3	519.0	508.6	500.3	492.0
7.5°	618.7	618.7	616.6	610.4	606.2	595.8	585.5	577.2	560.5	548.1	531.5
10°	676.8	676.8	674.7	664.3	658.1	645.7	635.3	620.8	604.1	587.5	568.8
12.5°	732.9	732.9	724.6	716.3	703.8	687.2	672.7	658.1	635.3	616.6	593.8
15°	784.8	784.8	780.6	766.1	749.5	730.8	710.0	689.3	662.3	637.4	612.4
17.5°	830.4	828.4	822.1	805.5	788.9	766.1	741.2	716.3	683.0	654.0	622.8
20°	861.6	861.6	853.3	834.6	815.9	791.0	764.0	734.9	699.6	664.3	627.0
22.5°	882.3	880.3	872.0	853.3	830.4	805.5	774.4	743.2	703.8	664.3	624.9
25°	888.6	886.5	878.2	857.4	834.6	807.6	774.4	741.2	699.6	658.1	614.5
27.5°	884.4	882.3	874.0	851.2	828.4	797.2	764.0	728.7	687.2	643.6	600.0
30°	872.0	865.7	857.4	836.7	811.8	780.6	745.3	705.9	664.3	618.7	575.1
32.5°	840.8	840.8	830.4	809.7	784.8	751.5	716.3	678.9	633.2	589.6	543.9
35°	805.5	803.4	795.1	772.3	749.5	718.3	683.0	643.6	600.0	556.4	512.8
37.5°	761.9	759.8	751.5	730.8	705.9	676.8	639.4	602.1	560.5	516.9	477.5
40°	714.2	710.0	699.6	683.0	662.3	629.1	595.8	558.5	519.0	479.6	440.1
42.5°	660.2	656.0	647.7	635.3	610.4	581.3	550.2	514.9	477.5	438.1	409.0
45°	591.7	591.7	587.5	575.1	556.4	533.6	500.3	469.2	433.9	398.6	367.5
47.5°	506.6	510.7	508.6	502.4	494.1	473.3	450.5	423.5	390.3	359.2	330.1
50°	431.8	433.9	436.0	431.8	425.6	411.1	396.5	379.9	350.9	321.8	294.8
52.5°	346.7	352.9	352.9	355.0	355.0	350.9	346.7	328.0	313.5	284.4	259.5
55°	284.4	284.4	284.4	288.6	290.7	292.7	288.6	284.4	267.8	247.1	224.2
57.5°	232.5	232.5	236.7	234.6	234.6	238.8	238.8	236.7	226.3	207.6	186.8
60°	191.0	191.0	191.0	191.0	193.1	193.1	193.1	193.1	184.8	168.2	151.6
62.5°	153.6	153.6	153.6	155.7	155.7	155.7	157.8	155.7	147.4	134.9	120.4
65°	122.5	120.4	122.5	122.5	124.6	124.6	124.6	122.5	114.2	105.9	95.5
67.5°	91.3	93.4	93.4	93.4	95.5	97.6	95.5	93.4	87.2	78.9	74.7
70°	66.4	68.5	68.5	68.5	70.6	72.7	70.6	68.5	64.4	60.2	56.1
72.5°	43.6	45.7	45.7	47.8	49.8	49.8	47.8	47.8	45.7	41.5	39.4
75°	27.0	27.0	29.1	29.1	31.1	31.1	31.1	29.1	29.1	27.0	27.0
77.5°	12.5	12.5	14.5	14.5	14.5	16.6	16.6	16.6	16.6	16.6	14.5
80°	4.2	4.2	4.2	4.2	4.2	6.2	6.2	6.2	8.3	8.3	8.3
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2	4.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1
2.5°	446.4	440.1	431.8	411.1	390.3	373.7	363.3	361.2
5°	481.7	471.3	452.6	406.9	369.5	340.5	323.9	317.6
7.5°	516.9	498.3	471.3	400.7	344.6	309.3	290.7	282.3
10°	546.0	523.2	487.9	392.4	323.9	282.3	259.5	253.3
12.5°	568.8	541.9	498.3	379.9	303.1	257.4	234.6	228.4
15°	583.4	554.3	504.5	365.4	282.3	236.7	213.8	205.5
17.5°	589.6	554.3	502.4	350.9	263.7	218.0	195.2	188.9
20°	589.6	550.2	496.2	334.3	245.0	199.3	178.5	172.3
22.5°	583.4	541.9	481.7	315.6	228.4	184.8	164.0	157.8
25°	570.9	525.3	465.0	299.0	211.8	170.2	151.6	147.4
27.5°	552.2	506.6	444.3	282.3	197.2	157.8	141.2	137.0
30°	529.4	483.7	421.4	261.6	182.7	147.4	132.9	126.6
32.5°	500.3	456.7	396.5	245.0	170.2	137.0	124.6	120.4
35°	469.2	429.8	369.5	228.4	157.8	128.7	116.3	112.1
37.5°	438.1	396.5	346.7	209.7	147.4	120.4	110.0	105.9
40°	404.8	373.7	321.8	193.1	139.1	114.2	103.8	101.7
42.5°	371.6	338.4	286.5	178.5	128.7	105.9	97.6	95.5
45°	332.2	301.0	259.5	161.9	120.4	101.7	93.4	91.3
47.5°	299.0	269.9	232.5	147.4	112.1	95.5	87.2	85.1
50°	267.8	238.8	203.5	130.8	103.8	89.3	83.0	78.9
52.5°	232.5	207.6	176.5	116.3	95.5	83.0	76.8	74.7
55°	201.4	176.5	147.4	103.8	87.2	78.9	70.6	68.5
57.5°	166.1	145.3	124.6	91.3	78.9	70.6	66.4	62.3
60°	134.9	120.4	105.9	81.0	70.6	66.4	60.2	58.1
62.5°	110.0	99.7	89.3	70.6	62.3	58.1	54.0	49.8
65°	87.2	81.0	72.7	60.2	54.0	51.9	47.8	43.6
67.5°	68.5	64.4	58.1	47.8	45.7	43.6	39.4	35.3
70°	51.9	49.8	45.7	37.4	35.3	37.4	33.2	29.1
72.5°	37.4	35.3	33.2	27.0	27.0	27.0	24.9	20.8
75°	24.9	22.8	20.8	18.7	18.7	18.7	18.7	16.6
77.5°	14.5	14.5	12.5	10.4	12.5	12.5	14.5	14.5
80°	6.2	6.2	6.2	6.2	8.3	8.3	10.4	10.4
82.5°	4.2	4.2	4.2	4.2	6.2	6.2	6.2	6.2
85°	2.1	2.1	2.1	2.1	2.1	4.2	4.2	4.2
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)