

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: P1311955

Luminaire Tested: LDSQA3D24R359040D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311955
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: LDSQA3D24R359040D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

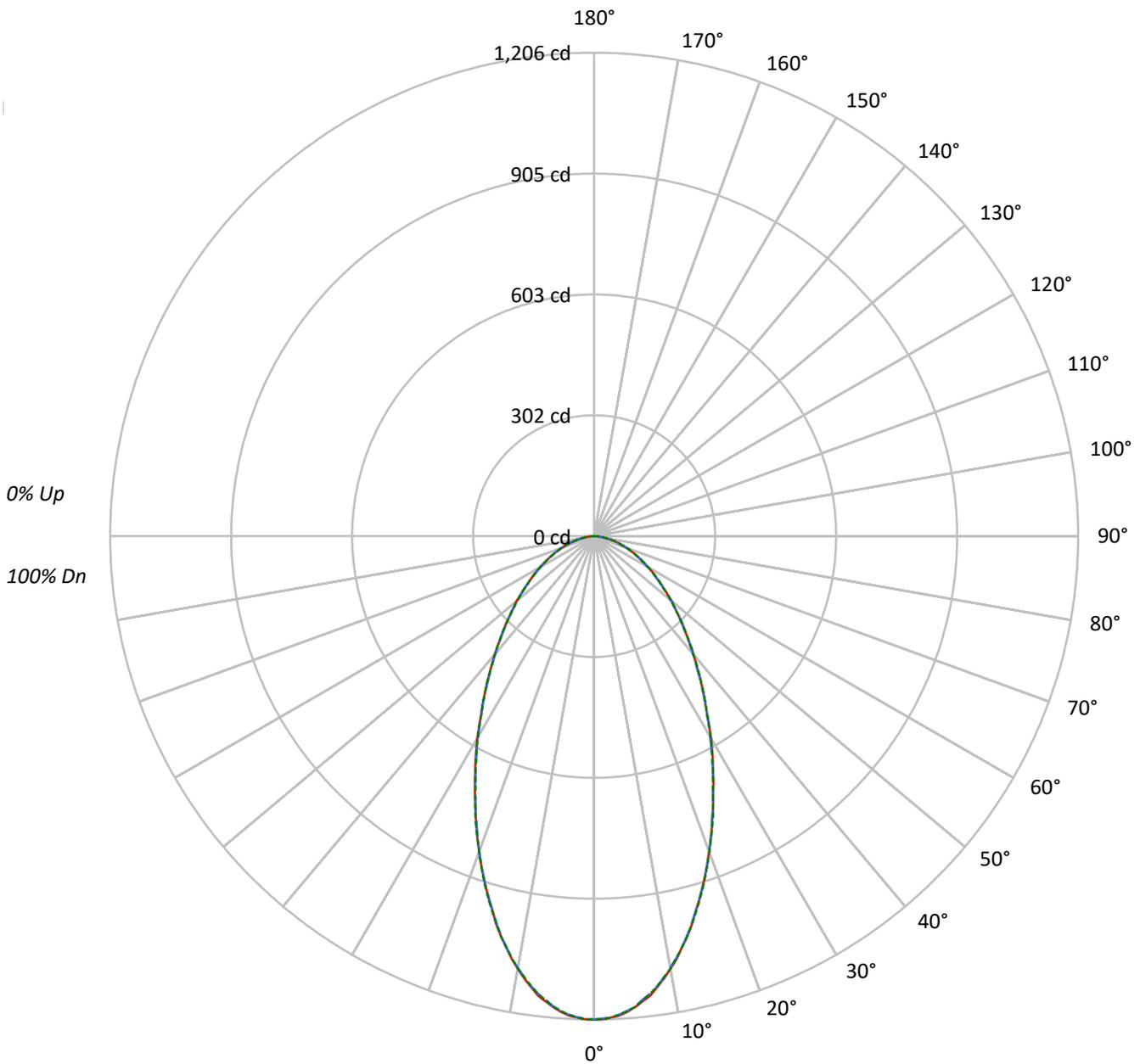
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1611.0 lumens
Efficiency: N/A
Efficacy: 55.9 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): 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



— 0°-180° - - - 45°-225° - - - 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	207683	207683	207683
5°	203809	203446	203809
10°	191615	191248	191615
15°	173484	173484	173858
20°	153567	153567	153567
25°	133532	133152	133152
30°	115780	114944	115362
35°	99656	99236	99656
40°	86466	86016	86466
45°	75966	75455	75455
50°	67411	66849	66849
55°	59302	59302	59302
60°	53699	53010	53699
65°	48290	48290	48290
70°	42902	42902	42902
75°	38727	37330	38727
80°	33027	33027	33027
85°	20551	20551	20551

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75966 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.7	6.8
10°-20°	271.4	16.8
20°-30°	322.5	20.0
30°-40°	296.4	18.4
40°-50°	240.6	14.9
50°-60°	178.0	11.1
60°-70°	117.6	7.3
70°-80°	61.0	3.8
80°-90°	13.7	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°	703.6	43.7
0°-40°	1000.0	62.1
0°-60°	1418.7	88.1
0°-90°	1611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1611.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1179	1177	1177	1177	1179	110
15°	973	973	973	973	975	272
25°	703	701	701	703	701	323
35°	474	472	472	474	474	297
45°	312	310	310	310	310	241
55°	198	198	198	198	198	179
65°	118	118	118	118	118	118
75°	58	58	56	58	58	62
85°	10	10	10	10	10	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1205.9	1205.9	1205.9	1205.9	1205.9
1°	1205.9	1203.8	1203.8	1203.8	1205.9
2°	1201.7	1201.7	1201.7	1201.7	1201.7
3°	1197.6	1195.5	1195.5	1195.5	1195.5
4°	1189.3	1187.2	1187.2	1187.2	1187.2
5°	1178.9	1176.8	1176.8	1176.8	1178.9
6°	1166.4	1164.3	1162.2	1162.2	1164.3
7°	1153.9	1149.8	1149.8	1149.8	1149.8
8°	1135.2	1133.1	1133.1	1133.1	1133.1
9°	1116.5	1112.3	1114.4	1114.4	1114.4
10°	1095.7	1093.6	1093.6	1093.6	1095.7
11°	1074.9	1072.8	1072.8	1070.8	1072.8
12°	1050.0	1050.0	1050.0	1050.0	1050.0
13°	1027.1	1025.0	1025.0	1025.0	1027.1
14°	1002.1	1000.1	1000.1	1000.1	1000.1
15°	973.0	973.0	973.0	973.0	975.1
17.5°	906.5	904.4	906.5	906.5	908.6
20°	837.9	835.8	837.9	837.9	837.9
22.5°	769.3	769.3	767.2	769.3	771.4
25°	702.7	700.7	700.7	702.7	700.7
27.5°	640.4	638.3	638.3	638.3	638.3
30°	582.2	578.0	578.0	580.1	580.1
32.5°	521.9	521.9	523.9	521.9	521.9
35°	474.0	472.0	472.0	474.0	474.0
37.5°	426.2	424.1	424.1	426.2	426.2
40°	384.6	384.6	382.6	384.6	384.6
42.5°	345.1	345.1	345.1	345.1	345.1
45°	311.9	309.8	309.8	309.8	309.8
47.5°	278.6	278.6	278.6	276.5	278.6
50°	251.6	249.5	249.5	249.5	249.5
52.5°	222.5	222.5	222.5	222.5	222.5
55°	197.5	197.5	197.5	197.5	197.5
57.5°	176.7	174.6	174.6	174.6	174.6
60°	155.9	155.9	153.9	155.9	155.9
62.5°	135.1	135.1	135.1	135.1	135.1
65°	118.5	118.5	118.5	118.5	118.5
67.5°	101.9	101.9	101.9	101.9	101.9
70°	85.2	85.2	85.2	85.2	85.2
72.5°	72.8	70.7	70.7	70.7	70.7
75°	58.2	58.2	56.1	58.2	58.2
77.5°	43.7	43.7	43.7	43.7	43.7
80°	33.3	33.3	33.3	31.2	33.3
82.5°	20.8	20.8	20.8	20.8	20.8
85°	10.4	10.4	10.4	10.4	10.4
87.5°	2.1	2.1	2.1	4.2	4.2



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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)