

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: P1313032

Luminaire Tested: LDSQA3D24R359050D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313032
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: LDSQA3D24R359050D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

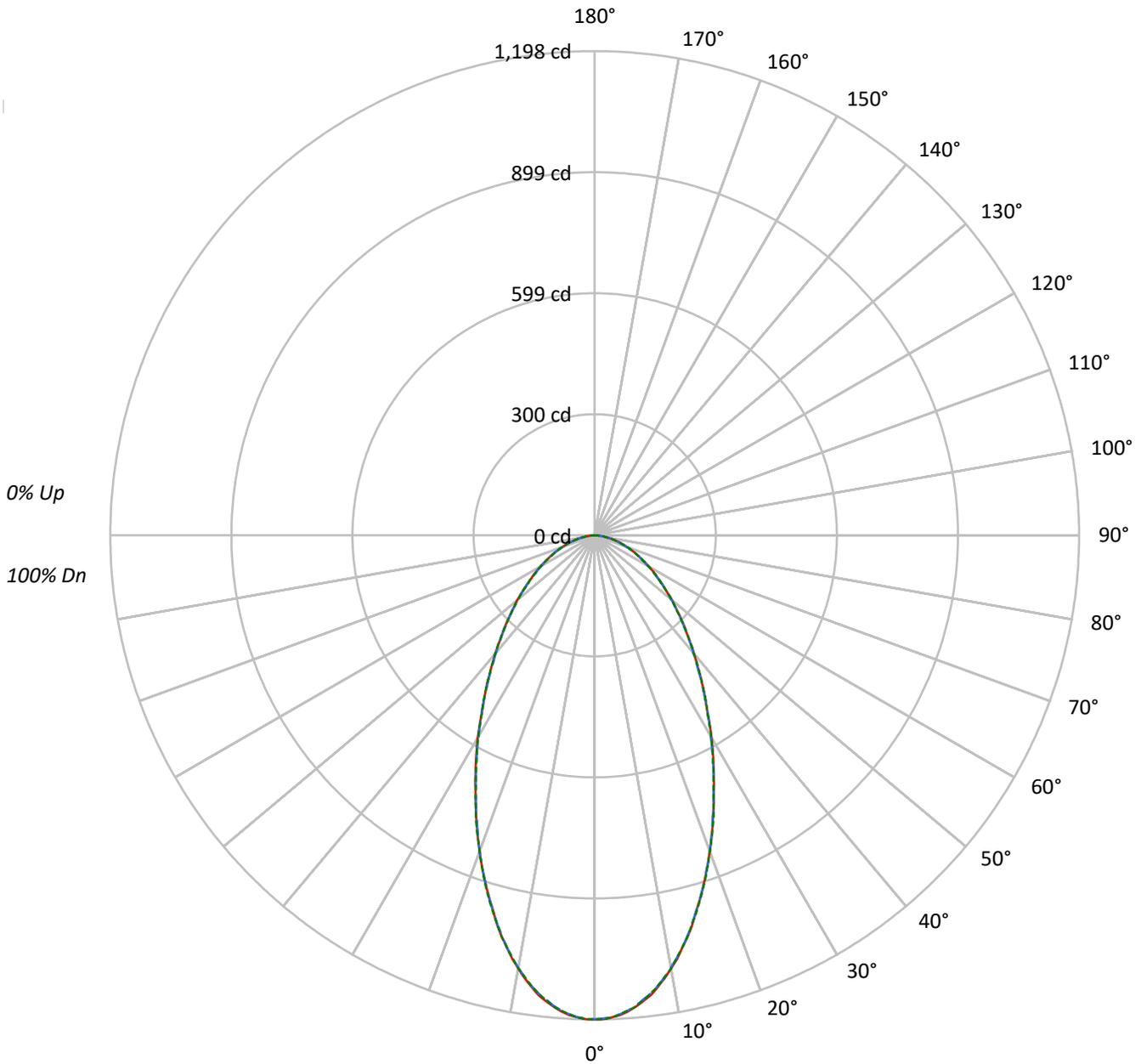
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1600.0 lumens
Efficiency: N/A
Efficacy: 55.6 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	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°	206271	206271	206271
5°	202408	202063	202408
10°	190304	189954	190304
15°	172307	172307	172682
20°	152522	152522	152522
25°	132620	132240	132240
30°	114984	114169	114566
35°	98983	98542	98983
40°	85882	85409	85882
45°	75430	74943	74943
50°	66956	66393	66393
55°	58911	58911	58911
60°	53355	52631	53355
65°	47964	47964	47964
70°	42650	42650	42650
75°	38461	37130	38461
80°	32729	32729	32729
85°	20353	20353	20353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75430 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	6.8
10°-20°	269.6	16.8
20°-30°	320.3	20.0
30°-40°	294.3	18.4
40°-50°	239.0	14.9
50°-60°	176.8	11.1
60°-70°	116.9	7.3
70°-80°	60.6	3.8
80°-90°	13.6	0.8
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°	698.8	43.7
0°-40°	993.1	62.1
0°-60°	1409.0	88.1
0°-90°	1600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1600.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1198	1198	1198	1198	1198	
5°	1171	1169	1169	1169	1171	109
15°	966	966	966	966	968	270
25°	698	696	696	698	696	321
35°	471	469	469	471	471	295
45°	310	308	308	308	308	240
55°	196	196	196	196	196	178
65°	118	118	118	118	118	117
75°	58	58	56	58	58	61
85°	10	10	10	10	10	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1197.7	1197.7	1197.7	1197.7	1197.7
1°	1197.7	1195.6	1195.6	1195.6	1197.7
2°	1193.5	1193.5	1193.5	1193.5	1193.5
3°	1189.4	1187.3	1187.3	1187.3	1187.3
4°	1181.1	1179.1	1179.1	1179.1	1179.1
5°	1170.8	1168.8	1168.8	1168.8	1170.8
6°	1158.4	1156.4	1154.3	1154.3	1156.4
7°	1146.0	1141.9	1141.9	1141.9	1141.9
8°	1127.5	1125.4	1125.4	1125.4	1125.4
9°	1108.9	1104.7	1106.8	1106.8	1106.8
10°	1088.2	1086.2	1086.2	1086.2	1088.2
11°	1067.6	1065.5	1065.5	1063.4	1065.5
12°	1042.8	1042.8	1042.8	1042.8	1042.8
13°	1020.1	1018.0	1018.0	1018.0	1020.1
14°	995.3	993.2	993.2	993.2	993.2
15°	966.4	966.4	966.4	966.4	968.5
17.5°	900.3	898.2	900.3	900.3	902.4
20°	832.2	830.1	832.2	832.2	832.2
22.5°	764.0	764.0	762.0	764.0	766.1
25°	697.9	695.9	695.9	697.9	695.9
27.5°	636.0	633.9	633.9	633.9	633.9
30°	578.2	574.1	574.1	576.1	576.1
32.5°	518.3	518.3	520.4	518.3	518.3
35°	470.8	468.7	468.7	470.8	470.8
37.5°	423.3	421.2	421.2	423.3	423.3
40°	382.0	382.0	379.9	382.0	382.0
42.5°	342.8	342.8	342.8	342.8	342.8
45°	309.7	307.7	307.7	307.7	307.7
47.5°	276.7	276.7	276.7	274.6	276.7
50°	249.9	247.8	247.8	247.8	247.8
52.5°	220.9	220.9	220.9	220.9	220.9
55°	196.2	196.2	196.2	196.2	196.2
57.5°	175.5	173.5	173.5	173.5	173.5
60°	154.9	154.9	152.8	154.9	154.9
62.5°	134.2	134.2	134.2	134.2	134.2
65°	117.7	117.7	117.7	117.7	117.7
67.5°	101.2	101.2	101.2	101.2	101.2
70°	84.7	84.7	84.7	84.7	84.7
72.5°	72.3	70.2	70.2	70.2	70.2
75°	57.8	57.8	55.8	57.8	57.8
77.5°	43.4	43.4	43.4	43.4	43.4
80°	33.0	33.0	33.0	31.0	33.0
82.5°	20.6	20.6	20.6	20.6	20.6
85°	10.3	10.3	10.3	10.3	10.3
87.5°	2.1	2.1	2.1	4.1	4.1



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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)