

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: P1307983

Luminaire Tested: LDSQA3D09R359027DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307983
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: LDSQA3D09R359027DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

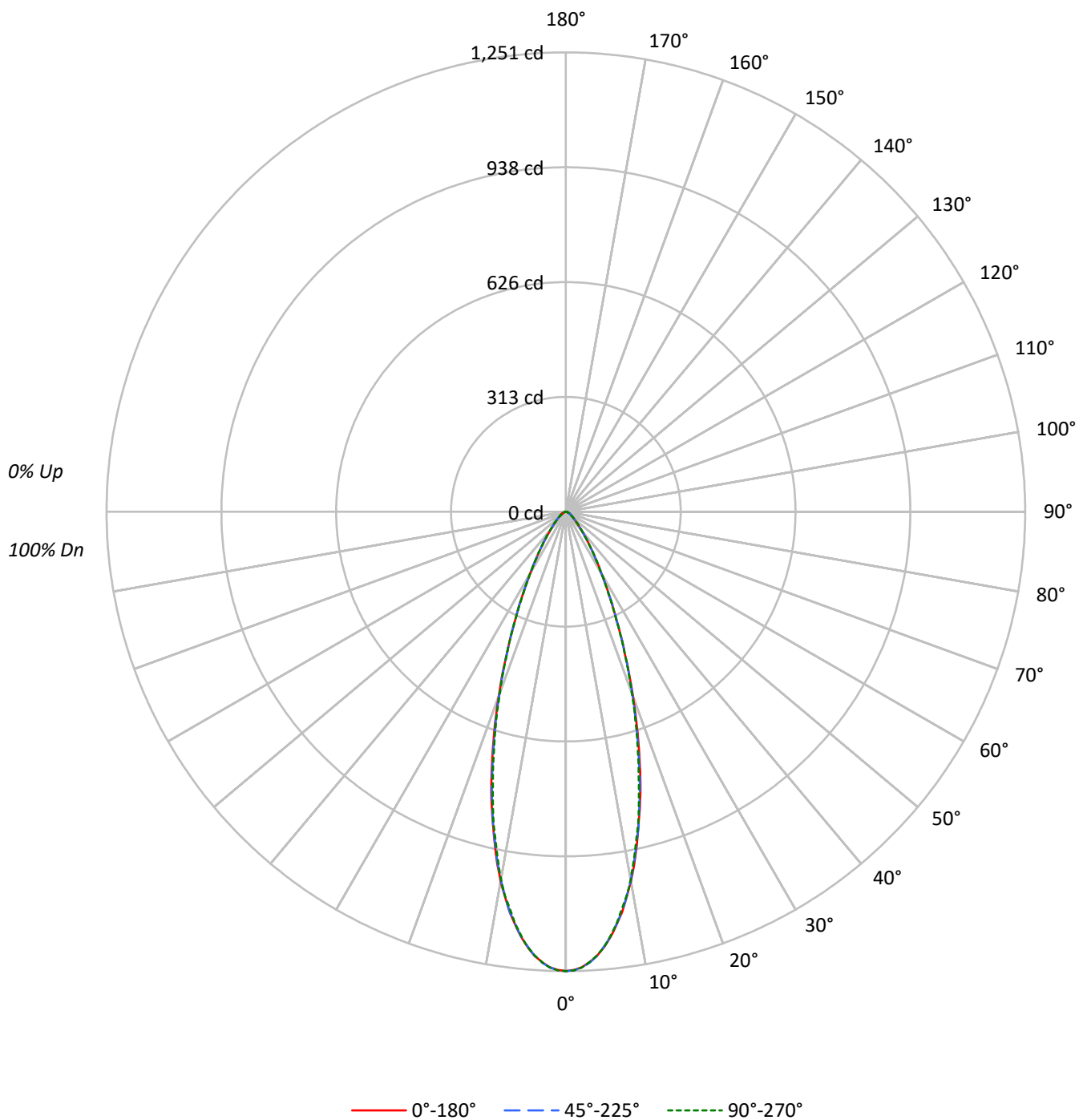
Lumens per Lamp: N/A
Luminaire Lumens: 617.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
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	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	95	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	83	82	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	78	77	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	74	73	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	70	69	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	66	65	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	63	62	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	60	59	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	57	56	56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	215468	215468	215468
5°	205883	205538	205883
10°	178744	178132	177905
15°	140053	138965	136772
20°	97979	97099	96476
25°	62234	62614	62234
30°	38341	38620	38341
35°	23716	23863	23863
40°	15063	15220	15220
45°	10156	10327	10497
50°	7315	7502	7502
55°	5735	5735	5735
60°	4719	4719	4719
65°	4197	4197	4197
70°	3777	3777	3777
75°	3194	3194	3194
80°	2678	2678	2678
85°	1383	1383	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 10497 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.1	17.5
10°-20°	212.9	34.5
20°-30°	153.6	24.9
30°-40°	74.0	12.0
40°-50°	34.1	5.5
50°-60°	17.6	2.9
60°-70°	10.2	1.7
70°-80°	5.2	0.8
80°-90°	1.2	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°	474.6	76.9
0°-40°	548.6	88.9
0°-60°	600.4	97.3
0°-90°	617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	617.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1251	1251	1251	1251	1251	
5°	1191	1194	1189	1190	1191	108
15°	786	784	779	776	767	214
25°	328	328	330	330	328	154
35°	113	113	114	114	114	74
45°	42	42	42	43	43	34
55°	19	19	19	19	19	17
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1251.1	1251.1	1251.1	1251.1	1251.1
1°	1247.7	1249.7	1249.0	1249.7	1249.0
2°	1241.5	1242.9	1241.5	1242.2	1242.2
3°	1228.5	1229.9	1229.9	1229.2	1228.5
4°	1212.8	1216.2	1212.8	1213.5	1211.4
5°	1190.9	1193.7	1188.9	1189.6	1190.9
6°	1164.3	1164.9	1163.6	1162.9	1161.5
7°	1133.5	1136.2	1131.4	1132.1	1130.8
8°	1100.7	1100.0	1100.0	1097.3	1093.2
9°	1061.0	1063.8	1059.7	1058.3	1059.0
10°	1022.1	1022.1	1018.6	1015.2	1017.3
11°	977.6	976.3	974.2	969.4	968.1
12°	929.1	931.8	925.7	923.6	918.8
13°	879.2	883.3	880.5	873.0	873.7
14°	832.7	830.0	827.9	826.5	821.8
15°	785.5	784.2	779.4	775.9	767.1
17.5°	656.3	657.7	648.8	647.4	644.0
20°	534.6	530.5	529.8	530.5	526.4
22.5°	421.8	425.9	421.1	421.8	419.1
25°	327.5	328.2	329.5	329.5	327.5
27.5°	254.3	254.3	253.0	254.3	252.3
30°	192.8	192.8	194.2	195.5	192.8
32.5°	149.0	149.0	149.0	149.7	150.4
35°	112.8	112.8	113.5	113.5	113.5
37.5°	86.8	87.5	88.2	88.2	88.2
40°	67.0	67.7	67.7	68.4	67.7
42.5°	53.3	53.3	53.3	54.0	54.0
45°	41.7	42.4	42.4	43.1	43.1
47.5°	34.2	34.2	34.2	34.9	34.9
50°	27.3	28.0	28.0	28.0	28.0
52.5°	22.6	22.6	23.2	23.2	23.2
55°	19.1	19.1	19.1	19.1	19.1
57.5°	15.7	16.4	16.4	16.4	16.4
60°	13.7	13.7	13.7	13.7	13.7
62.5°	11.6	11.6	11.6	11.6	11.6
65°	10.3	10.3	10.3	10.3	10.3
67.5°	8.2	8.9	8.9	8.9	8.9
70°	7.5	7.5	7.5	7.5	7.5
72.5°	5.5	6.2	6.2	6.2	6.2
75°	4.8	4.8	4.8	4.8	4.8
77.5°	4.1	3.4	3.4	3.4	4.1
80°	2.7	2.7	2.7	2.7	2.7
82.5°	2.1	2.1	2.1	2.1	2.1
85°	0.7	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.7	0.7



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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)