

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: P1307009

Luminaire Tested: LDSQA3D09R359024DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307009
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: LDSQA3D09R359024DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

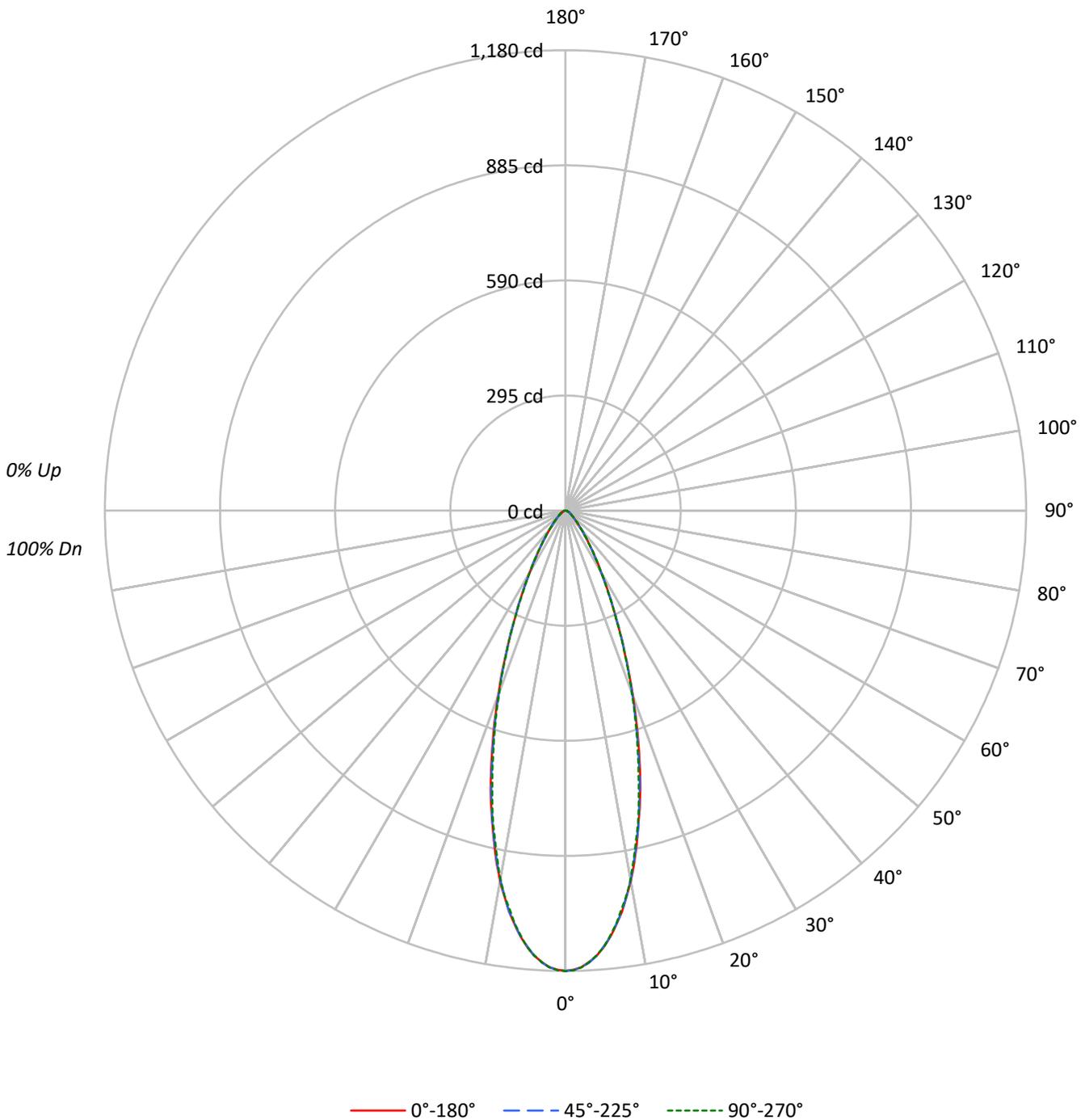
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 582.0 lumens
Efficiency: N/A
Efficacy: 52.4 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 (A_{in}): 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				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	83	83	83	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	78	78	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	74	74	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	70	70	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	66	66	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	63	63	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	60	60	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	57	57	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	203240	203240	203240
5°	194214	193868	194214
10°	168601	168042	167814
15°	132119	131085	128999
20°	92426	91601	91015
25°	58699	59060	58699
30°	36174	36412	36174
35°	22370	22496	22496
40°	14209	14344	14344
45°	9572	9742	9889
50°	6913	7073	7073
55°	5435	5435	5435
60°	4443	4443	4443
65°	3953	3953	3953
70°	3575	3575	3575
75°	2994	2994	2994
80°	2579	2579	2579
85°	1186	1186	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 9889 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.0	17.5
10°-20°	200.8	34.5
20°-30°	144.9	24.9
30°-40°	69.8	12.0
40°-50°	32.2	5.5
50°-60°	16.7	2.9
60°-70°	9.6	1.7
70°-80°	4.9	0.8
80°-90°	1.1	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°	447.7	76.9
0°-40°	517.5	88.9
0°-60°	566.4	97.3
0°-90°	582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	582.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1180	1180	1180	1180	1180	
5°	1123	1126	1121	1122	1123	102
15°	741	740	735	732	724	202
25°	309	310	311	311	309	145
35°	106	106	107	107	107	69
45°	39	40	40	41	41	32
55°	18	18	18	18	18	16
65°	10	10	10	10	10	9
75°	4	4	4	4	4	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°	1180.1	1180.1	1180.1	1180.1	1180.1
1°	1176.9	1178.8	1178.2	1178.8	1178.2
2°	1171.1	1172.4	1171.1	1171.7	1171.7
3°	1158.8	1160.1	1160.1	1159.5	1158.8
4°	1144.0	1147.2	1144.0	1144.6	1142.7
5°	1123.4	1125.9	1121.4	1122.1	1123.4
6°	1098.2	1098.9	1097.6	1096.9	1095.6
7°	1069.2	1071.8	1067.3	1067.9	1066.6
8°	1038.2	1037.6	1037.6	1035.0	1031.2
9°	1000.8	1003.4	999.6	998.3	998.9
10°	964.1	964.1	960.9	957.6	959.6
11°	922.2	920.9	918.9	914.4	913.1
12°	876.4	879.0	873.2	871.2	866.7
13°	829.3	833.2	830.6	823.5	824.1
14°	785.5	782.9	780.9	779.7	775.1
15°	741.0	739.7	735.2	731.9	723.5
17.5°	619.1	620.4	612.0	610.7	607.5
20°	504.3	500.4	499.8	500.4	496.6
22.5°	397.9	401.8	397.2	397.9	395.3
25°	308.9	309.5	310.8	310.8	308.9
27.5°	239.9	239.9	238.6	239.9	238.0
30°	181.9	181.9	183.1	184.4	181.9
32.5°	140.6	140.6	140.6	141.2	141.9
35°	106.4	106.4	107.0	107.0	107.0
37.5°	81.9	82.5	83.2	83.2	83.2
40°	63.2	63.8	63.8	64.5	63.8
42.5°	50.3	50.3	50.3	50.9	50.9
45°	39.3	40.0	40.0	40.6	40.6
47.5°	32.2	32.2	32.2	32.9	32.9
50°	25.8	26.4	26.4	26.4	26.4
52.5°	21.3	21.3	21.9	21.9	21.9
55°	18.1	18.1	18.1	18.1	18.1
57.5°	14.8	15.5	15.5	15.5	15.5
60°	12.9	12.9	12.9	12.9	12.9
62.5°	11.0	11.0	11.0	11.0	11.0
65°	9.7	9.7	9.7	9.7	9.7
67.5°	7.7	8.4	8.4	8.4	8.4
70°	7.1	7.1	7.1	7.1	7.1
72.5°	5.2	5.8	5.8	5.8	5.8
75°	4.5	4.5	4.5	4.5	4.5
77.5°	3.9	3.2	3.2	3.2	3.9
80°	2.6	2.6	2.6	2.6	2.6
82.5°	1.9	1.9	1.9	1.9	1.9
85°	0.6	0.6	0.6	0.6	1.3
87.5°	0.0	0.0	0.0	0.6	0.6



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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)