

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: P1315932

Luminaire Tested: LDSQA3D20R309735D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315932
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309735D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

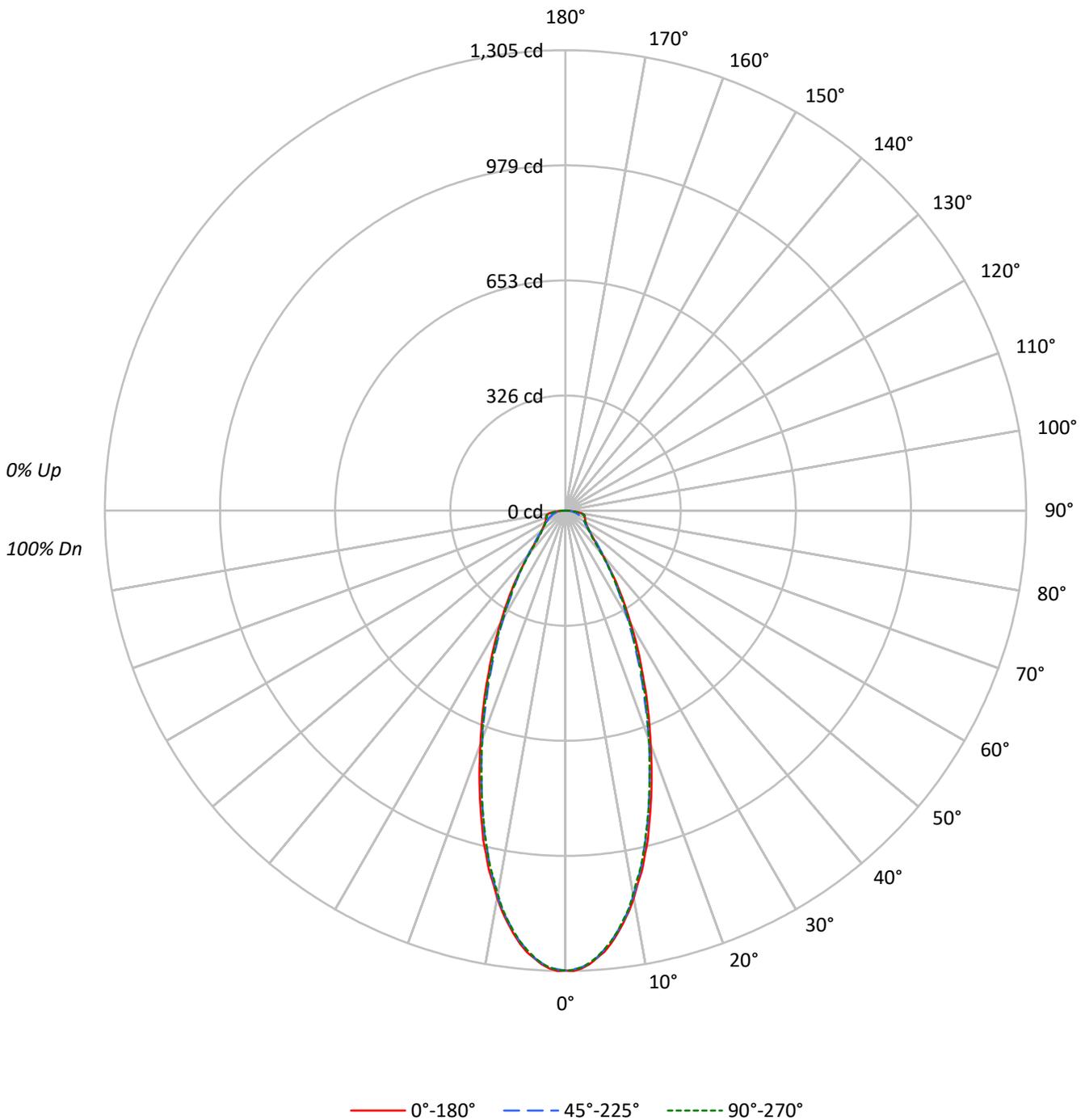
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1028.0 lumens
Efficiency: N/A
Efficacy: 35.7 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	224509	224509	224509
5°	217207	216118	216118
10°	194938	193836	193014
15°	163374	160843	160575
20°	128989	126387	126387
25°	98738	94842	96629
30°	73262	69504	71075
35°	52961	50648	50984
40°	36466	37163	35387
45°	27230	28375	26085
50°	23632	23203	23203
55°	22219	21258	21739
60°	22768	21149	22251
65°	25021	21191	24369
70°	29357	21401	28551
75°	37729	23023	36664
80°	46813	24993	43738
85°	37347	24898	34185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 46813 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	11.2
10°-20°	250.0	24.3
20°-30°	232.9	22.7
30°-40°	154.5	15.0
40°-50°	90.0	8.8
50°-60°	65.5	6.4
60°-70°	55.4	5.4
70°-80°	45.8	4.5
80°-90°	19.0	1.9
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°	597.8	58.2
0°-40°	752.3	73.2
0°-60°	907.8	88.3
0°-90°	1028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1028.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1304	1304	1304	1304	1304	
5°	1256	1255	1250	1250	1250	115
15°	916	907	902	901	901	253
25°	520	510	499	501	508	239
35°	252	247	241	242	242	158
45°	112	113	116	110	107	90
55°	74	72	71	72	72	67
65°	61	55	52	55	60	61
75°	57	42	35	42	55	58
85°	19	22	13	20	17	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1303.6	1303.6	1303.6	1303.6	1303.6
1°	1305.2	1303.6	1300.5	1302.0	1302.0
2°	1298.9	1297.3	1295.7	1295.7	1295.7
3°	1287.9	1286.3	1284.7	1284.7	1284.7
4°	1272.1	1270.5	1270.5	1269.0	1269.0
5°	1256.4	1254.8	1250.1	1250.1	1250.1
6°	1234.3	1232.8	1229.6	1228.0	1228.0
7°	1207.6	1207.6	1202.8	1201.3	1202.8
8°	1179.2	1177.7	1174.5	1172.9	1172.9
9°	1149.3	1144.6	1144.6	1139.9	1143.0
10°	1114.7	1111.5	1108.4	1105.2	1103.7
11°	1075.3	1073.7	1069.0	1065.9	1064.3
12°	1042.3	1034.4	1031.2	1026.5	1029.7
13°	999.7	995.0	987.2	985.6	987.2
14°	963.5	954.1	947.8	944.6	943.1
15°	916.3	906.9	902.1	900.6	900.6
17.5°	810.8	804.5	791.9	791.9	791.9
20°	703.8	697.5	689.6	688.0	689.6
22.5°	610.9	599.8	587.3	588.8	598.3
25°	519.6	510.1	499.1	500.7	508.5
27.5°	442.4	429.8	418.8	421.9	426.7
30°	368.4	360.5	349.5	352.7	357.4
32.5°	305.4	300.7	288.1	291.3	296.0
35°	251.9	247.2	240.9	242.5	242.5
37.5°	201.5	201.5	199.9	198.4	196.8
40°	162.2	165.3	165.3	160.6	157.4
42.5°	132.3	135.4	138.5	132.3	127.5
45°	111.8	113.4	116.5	110.2	107.1
47.5°	97.6	97.6	100.8	96.0	94.5
50°	88.2	88.2	86.6	85.0	86.6
52.5°	80.3	78.7	77.1	78.7	78.7
55°	74.0	72.4	70.8	72.4	72.4
57.5°	69.3	67.7	66.1	66.1	67.7
60°	66.1	63.0	61.4	63.0	64.6
62.5°	63.0	58.3	56.7	58.3	61.4
65°	61.4	55.1	52.0	55.1	59.8
67.5°	59.8	52.0	47.2	52.0	58.3
70°	58.3	48.8	42.5	48.8	56.7
72.5°	56.7	45.7	39.4	45.7	56.7
75°	56.7	42.5	34.6	42.5	55.1
77.5°	53.5	39.4	29.9	39.4	52.0
80°	47.2	36.2	25.2	34.6	44.1
82.5°	34.6	31.5	18.9	29.9	33.1
85°	18.9	22.0	12.6	20.5	17.3
87.5°	3.1	4.7	3.1	9.4	6.3



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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)