

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: P1312675

Luminaire Tested: LDSQA3D17R159050DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R159050DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

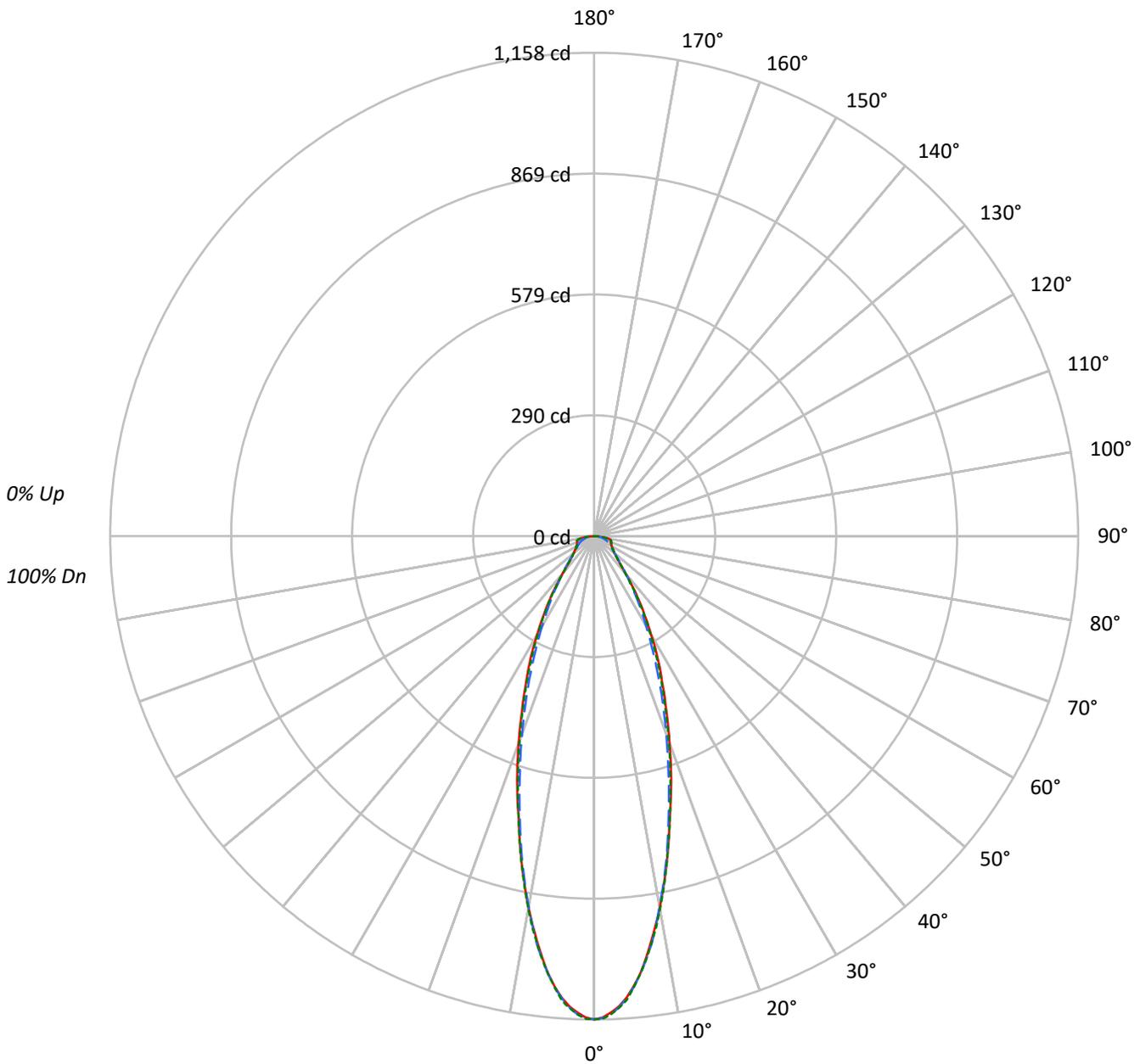
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 776.0 lumens
Efficiency: N/A
Efficacy: 36.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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



— 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	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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	199365	199365	199365
5°	187230	187472	187472
10°	158161	157671	158651
15°	124381	122633	124630
20°	96660	92279	95377
25°	72970	67897	71906
30°	54270	49518	53137
35°	38748	36078	38138
40°	26237	26551	25922
45°	19533	20556	19533
50°	16960	16960	16960
55°	16484	15614	16484
60°	16947	15500	16464
65°	18338	16056	18338
70°	21955	16265	21955
75°	28081	16835	28081
80°	34911	18150	33523
85°	27862	16599	30629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 34911 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	12.6
10°-20°	193.0	24.9
20°-30°	170.6	22.0
30°-40°	112.1	14.4
40°-50°	65.5	8.4
50°-60°	48.2	6.2
60°-70°	41.1	5.3
70°-80°	33.9	4.4
80°-90°	14.0	1.8
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°	461.2	59.4
0°-40°	573.3	73.9
0°-60°	687.0	88.5
0°-90°	776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1158	1158	1158	1158	1158	
5°	1083	1083	1084	1086	1084	97
15°	698	698	688	696	699	195
25°	384	371	357	367	378	178
35°	184	177	172	176	181	116
45°	80	82	84	82	80	65
55°	55	53	52	53	55	49
65°	45	41	39	41	45	45
75°	42	31	25	32	42	43
85°	14	16	8	14	16	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1157.6	1157.6	1157.6	1157.6	1157.6
1°	1153.3	1154.7	1154.7	1156.2	1156.2
2°	1142.1	1144.9	1146.3	1146.3	1146.3
3°	1128.0	1129.4	1130.8	1132.2	1132.2
4°	1108.3	1109.7	1109.7	1112.5	1114.0
5°	1083.0	1083.0	1084.4	1085.8	1084.4
6°	1053.5	1053.5	1054.9	1054.9	1054.9
7°	1018.3	1019.7	1021.1	1022.5	1021.1
8°	980.3	981.7	986.0	986.0	984.6
9°	942.4	943.8	943.8	948.0	948.0
10°	904.4	904.4	901.6	904.4	907.2
12.5°	801.7	800.3	796.1	800.3	803.1
15°	697.6	697.6	687.8	696.2	699.0
17.5°	613.2	600.6	590.7	599.2	606.2
20°	527.4	514.8	503.5	512.0	520.4
22.5°	450.1	440.2	426.2	434.6	444.5
25°	384.0	371.3	357.3	367.1	378.4
27.5°	329.1	312.2	298.2	309.4	319.3
30°	272.9	261.6	249.0	257.4	267.2
32.5°	225.0	216.6	206.8	213.8	222.2
35°	184.3	177.2	171.6	175.8	181.4
37.5°	147.7	144.9	142.1	143.5	143.5
40°	116.7	118.1	118.1	118.1	115.3
42.5°	95.6	97.0	99.9	97.0	95.6
45°	80.2	81.6	84.4	81.6	80.2
47.5°	70.3	71.7	73.1	70.3	70.3
50°	63.3	63.3	63.3	63.3	63.3
52.5°	59.1	57.7	57.7	57.7	59.1
55°	54.9	53.4	52.0	53.4	54.9
57.5°	50.6	49.2	47.8	49.2	50.6
60°	49.2	46.4	45.0	46.4	47.8
62.5°	46.4	43.6	42.2	43.6	46.4
65°	45.0	40.8	39.4	40.8	45.0
67.5°	43.6	38.0	35.2	38.0	43.6
70°	43.6	35.2	32.3	36.6	43.6
72.5°	42.2	33.8	28.1	33.8	42.2
75°	42.2	30.9	25.3	32.3	42.2
77.5°	39.4	28.1	21.1	29.5	39.4
80°	35.2	25.3	18.3	26.7	33.8
82.5°	25.3	21.1	14.1	21.1	25.3
85°	14.1	15.5	8.4	14.1	15.5
87.5°	1.4	4.2	2.8	8.4	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)