

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: P1316900

Luminaire Tested: LDSQA3D20R309740D010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309740D010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

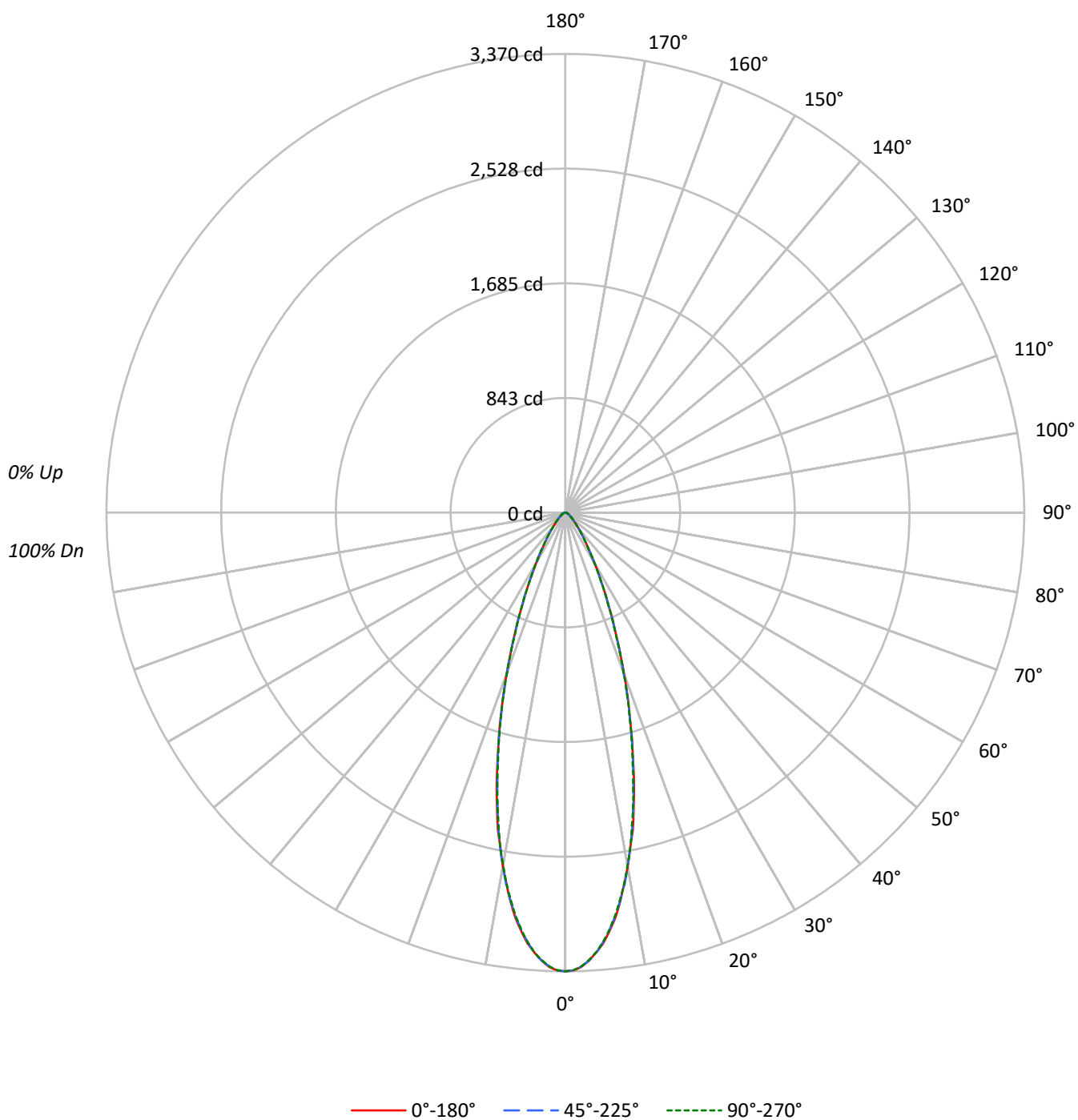
Lumens per Lamp: N/A
Luminaire Lumens: 1480.0 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	580390	580390	580390
5°	549483	548066	547789
10°	461612	461612	459898
15°	343937	343063	341013
20°	230194	228984	229278
25°	141893	141589	142197
30°	85313	85313	85651
35°	52330	52330	52666
40°	33139	33139	33858
45°	22724	23138	23138
50°	16665	16665	16665
55°	12791	13272	13272
60°	10712	10712	11263
65°	9332	9332	9332
70°	8258	9064	9064
75°	7652	7652	7652
80°	6447	6447	6447
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 23138 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.7	19.3
10°-20°	527.5	35.6
20°-30°	350.7	23.7
30°-40°	162.1	11.0
40°-50°	75.3	5.1
50°-60°	40.2	2.7
60°-70°	23.4	1.6
70°-80°	12.4	0.8
80°-90°	2.6	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°	1163.8	78.6
0°-40°	1325.9	89.6
0°-60°	1441.4	97.4
0°-90°	1480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1480.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3370	3370	3370	3370	3370	
5°	3178	3172	3170	3178	3169	286
15°	1929	1936	1924	1924	1913	529
25°	747	745	745	745	748	351
35°	249	247	249	250	250	161
45°	93	93	95	95	95	75
55°	43	44	44	44	44	40
65°	23	23	23	23	23	23
75°	12	12	12	12	12	12
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3370.0	3370.0	3370.0	3370.0	3370.0
1°	3363.4	3360.1	3363.4	3368.3	3361.8
2°	3340.5	3337.2	3337.2	3343.8	3337.2
3°	3296.3	3299.6	3297.9	3304.5	3293.0
4°	3240.6	3239.0	3245.5	3248.8	3239.0
5°	3178.4	3171.8	3170.2	3178.4	3168.6
6°	3093.2	3088.3	3085.0	3094.9	3081.8
7°	3001.5	2998.3	2993.3	2996.6	2986.8
8°	2888.5	2886.9	2883.6	2886.9	2875.4
9°	2762.5	2762.5	2769.0	2767.4	2760.8
10°	2639.6	2642.9	2639.6	2642.9	2629.8
11°	2502.1	2502.1	2505.4	2503.7	2505.4
12°	2382.6	2369.5	2366.2	2362.9	2353.1
13°	2228.6	2218.8	2215.5	2218.8	2213.9
14°	2087.8	2081.3	2064.9	2068.2	2061.6
15°	1929.0	1935.5	1924.1	1924.1	1912.6
17.5°	1576.9	1570.4	1573.6	1575.3	1570.4
20°	1256.0	1252.7	1249.4	1246.1	1251.0
22.5°	975.9	977.6	974.3	971.0	967.8
25°	746.7	745.1	745.1	745.1	748.3
27.5°	566.6	566.6	566.6	568.2	568.2
30°	429.0	425.7	429.0	430.7	430.7
32.5°	320.9	324.2	325.9	325.9	325.9
35°	248.9	247.3	248.9	250.5	250.5
37.5°	189.9	189.9	191.6	191.6	193.2
40°	147.4	147.4	147.4	149.0	150.6
42.5°	116.3	116.3	117.9	117.9	119.5
45°	93.3	93.3	95.0	95.0	95.0
47.5°	75.3	75.3	77.0	77.0	77.0
50°	62.2	62.2	62.2	62.2	62.2
52.5°	52.4	50.8	52.4	52.4	52.4
55°	42.6	44.2	44.2	44.2	44.2
57.5°	36.0	37.7	37.7	37.7	37.7
60°	31.1	31.1	31.1	32.7	32.7
62.5°	26.2	27.8	27.8	27.8	27.8
65°	22.9	22.9	22.9	22.9	22.9
67.5°	19.6	19.6	19.6	19.6	21.3
70°	16.4	16.4	18.0	18.0	18.0
72.5°	14.7	14.7	14.7	14.7	14.7
75°	11.5	11.5	11.5	11.5	11.5
77.5°	8.2	8.2	9.8	9.8	8.2
80°	6.5	6.5	6.5	6.5	6.5
82.5°	4.9	4.9	4.9	4.9	4.9
85°	1.6	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0



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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)