

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: P1320356

Luminaire Tested: LDSQA3D20R159840D010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159840D010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

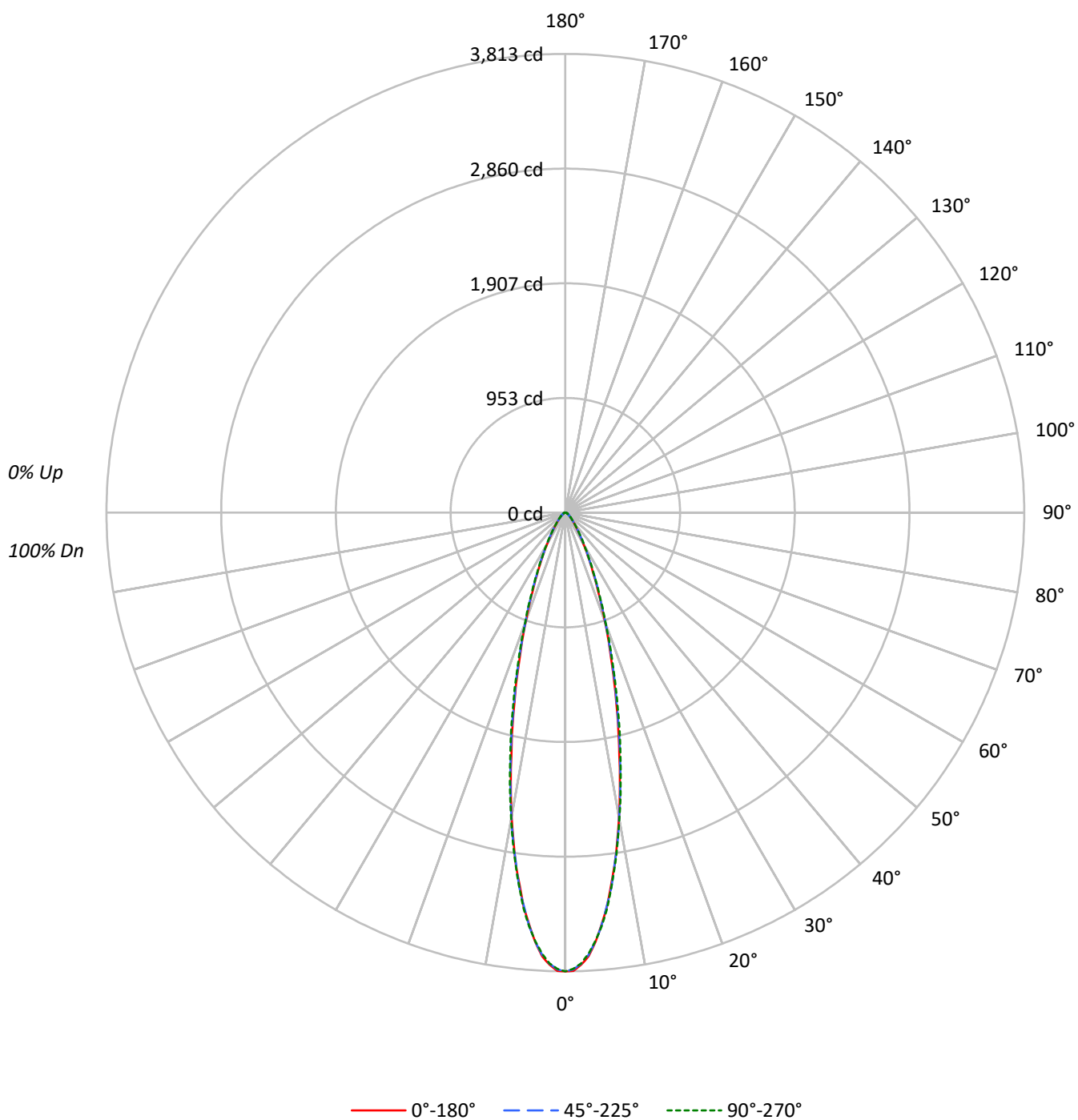
Lumens per Lamp: N/A
Luminaire Lumens: 1261.0 lumens
Efficiency: N/A
Efficacy: 46.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	656719	656719	656719
5°	594847	595954	596801
10°	449090	450227	452501
15°	291303	294477	300254
20°	175376	177466	179830
25°	102462	104610	106149
30°	60216	62145	63120
35°	37108	38475	39148
40°	24393	25112	25472
45°	16952	17341	17755
50°	12593	13021	13450
55°	10209	10689	10689
60°	8921	8921	8921
65°	7906	7906	7906
70°	6546	7352	7352
75°	6455	6455	6455
80°	4860	6447	6447
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 17755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.4	23.8
10°-20°	459.3	36.4
20°-30°	261.0	20.7
30°-40°	119.1	9.4
40°-50°	57.1	4.5
50°-60°	31.9	2.5
60°-70°	19.5	1.5
70°-80°	10.4	0.8
80°-90°	2.2	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°	1020.7	80.9
0°-40°	1139.8	90.4
0°-60°	1228.8	97.4
0°-90°	1261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1261.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3813	3813	3813	3813	3813	
5°	3441	3439	3447	3447	3452	300
15°	1634	1642	1652	1674	1684	453
25°	539	539	550	555	559	256
35°	176	180	183	186	186	116
45°	70	70	71	73	73	55
55°	34	34	36	36	36	31
65°	19	19	19	19	19	19
75°	10	10	10	10	10	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3813.2	3813.2	3813.2	3813.2	3813.2
1°	3809.9	3800.2	3797.0	3795.4	3792.1
2°	3761.4	3753.3	3751.7	3751.7	3750.0
3°	3693.4	3678.8	3680.4	3675.6	3670.7
4°	3578.4	3571.9	3575.2	3578.4	3571.9
5°	3440.8	3439.1	3447.2	3447.2	3452.1
6°	3298.3	3296.7	3291.8	3304.8	3311.2
7°	3116.9	3126.6	3139.6	3133.1	3138.0
8°	2951.8	2940.4	2945.3	2961.5	2963.1
9°	2757.5	2749.4	2770.4	2776.9	2778.5
10°	2568.0	2576.1	2574.5	2597.2	2587.5
12.5°	2074.2	2087.1	2101.7	2111.4	2121.1
15°	1633.8	1641.9	1651.6	1674.2	1684.0
17.5°	1256.5	1266.2	1275.9	1295.3	1298.6
20°	956.9	961.8	968.3	986.1	981.2
22.5°	715.7	723.8	730.3	738.3	743.2
25°	539.2	539.2	550.5	555.4	558.6
27.5°	401.6	404.8	412.9	419.4	417.7
30°	302.8	307.6	312.5	315.7	317.4
32.5°	233.2	233.2	238.0	242.9	244.5
35°	176.5	179.7	183.0	186.2	186.2
37.5°	137.6	139.2	142.5	144.1	144.1
40°	108.5	108.5	111.7	113.3	113.3
42.5°	85.8	87.4	89.1	90.7	90.7
45°	69.6	69.6	71.2	72.9	72.9
47.5°	56.7	56.7	58.3	59.9	59.9
50°	47.0	48.6	48.6	50.2	50.2
52.5°	40.5	40.5	40.5	42.1	42.1
55°	34.0	34.0	35.6	35.6	35.6
57.5°	29.1	29.1	29.1	30.8	30.8
60°	25.9	25.9	25.9	25.9	25.9
62.5°	22.7	22.7	22.7	22.7	22.7
65°	19.4	19.4	19.4	19.4	19.4
67.5°	16.2	16.2	16.2	17.8	17.8
70°	13.0	14.6	14.6	14.6	14.6
72.5°	11.3	11.3	11.3	11.3	11.3
75°	9.7	9.7	9.7	9.7	9.7
77.5°	8.1	8.1	8.1	8.1	8.1
80°	4.9	6.5	6.5	6.5	6.5
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)