

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: IRiS

Report Number: P1311582

Luminaire Tested: P3SQAS20R159050D010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311582
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: IRiS
Catalog Number: P3SQAS20R159050D010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

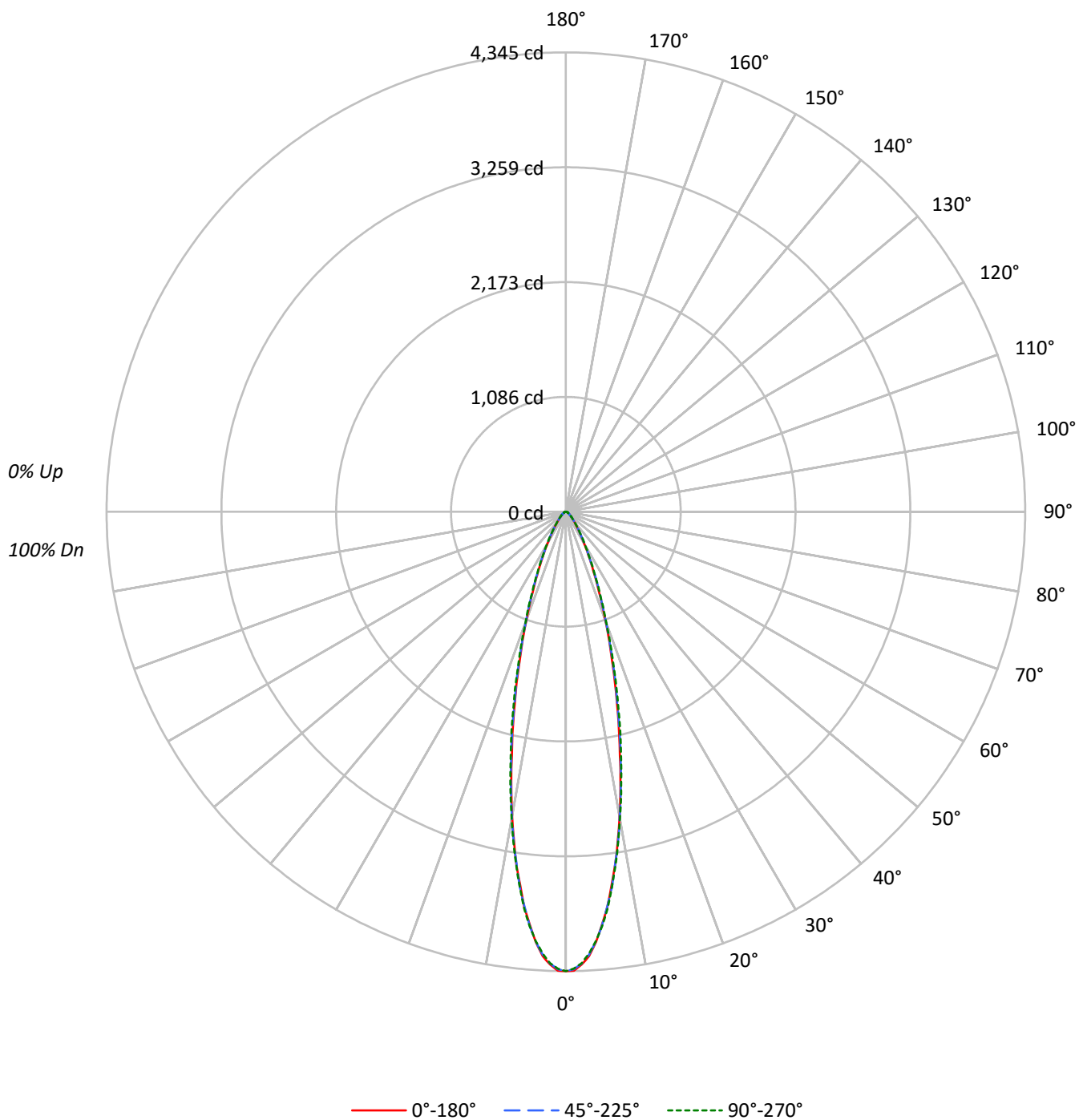
Lumens per Lamp: N/A
Luminaire Lumens: 1437.0 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1311582

CATALOG NUMBER: P3SQAS20R159050D010 E3SQPHL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1311582

CATALOG NUMBER: P3SQAS20R159050D010 E3SQPHL1MB

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86	83	81	80
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83	79	77	76
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79	76	73	72
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76	73	70	69
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74	70	67	66
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71	67	65	64
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	748376	748376	748376
5°	677864	679144	680095
10°	511785	513061	515650
15°	331955	335575	342154
20°	199862	202226	204939
25°	116752	119223	120971
30°	68609	70816	71930
35°	42280	43836	44614
40°	27788	28620	29047
45°	19314	19777	20215
50°	14334	14843	15326
55°	11620	12191	12191
60°	10161	10161	10161
65°	9006	9006	9006
70°	7452	8359	8359
75°	7386	7386	7386
80°	5455	7339	7339
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 20215 cd/sqm

TEST NUMBER: P1311582

CATALOG NUMBER: P3SQAS20R159050D010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.3	23.8
10°-20°	523.4	36.4
20°-30°	297.5	20.7
30°-40°	135.7	9.4
40°-50°	65.1	4.5
50°-60°	36.4	2.5
60°-70°	22.3	1.5
70°-80°	11.9	0.8
80°-90°	2.5	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°	1163.1	80.9
0°-40°	1298.8	90.4
0°-60°	1400.3	97.4
0°-90°	1437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1437.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4345	4345	4345	4345	4345	
5°	3921	3919	3928	3928	3934	342
15°	1862	1871	1882	1908	1919	517
25°	614	614	627	633	637	292
35°	201	205	208	212	212	132
45°	79	79	81	83	83	63
55°	39	39	41	41	41	36
65°	22	22	22	22	22	22
75°	11	11	11	11	11	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1311582

CATALOG NUMBER: P3SQAS20R159050D010 E3SQPHL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4345.4	4345.4	4345.4	4345.4	4345.4
1°	4341.7	4330.6	4326.9	4325.1	4321.4
2°	4286.3	4277.1	4275.3	4275.3	4273.4
3°	4208.9	4192.2	4194.1	4188.6	4183.0
4°	4077.8	4070.5	4074.2	4077.8	4070.5
5°	3921.0	3919.2	3928.4	3928.4	3933.9
6°	3758.6	3756.8	3751.2	3766.0	3773.4
7°	3552.0	3563.0	3577.8	3570.4	3576.0
8°	3363.8	3350.8	3356.4	3374.8	3376.7
9°	3142.3	3133.1	3157.1	3164.5	3166.3
10°	2926.5	2935.7	2933.8	2959.7	2948.6
12.5°	2363.7	2378.4	2395.0	2406.1	2417.2
15°	1861.8	1871.0	1882.1	1907.9	1919.0
17.5°	1431.9	1442.9	1454.0	1476.1	1479.8
20°	1090.5	1096.0	1103.4	1123.7	1118.2
22.5°	815.6	824.8	832.2	841.4	846.9
25°	614.4	614.4	627.4	632.9	636.6
27.5°	457.6	461.3	470.5	477.9	476.1
30°	345.0	350.6	356.1	359.8	361.7
32.5°	265.7	265.7	271.2	276.8	278.6
35°	201.1	204.8	208.5	212.2	212.2
37.5°	156.8	158.7	162.4	164.2	164.2
40°	123.6	123.6	127.3	129.2	129.2
42.5°	97.8	99.6	101.5	103.3	103.3
45°	79.3	79.3	81.2	83.0	83.0
47.5°	64.6	64.6	66.4	68.3	68.3
50°	53.5	55.4	55.4	57.2	57.2
52.5°	46.1	46.1	46.1	48.0	48.0
55°	38.7	38.7	40.6	40.6	40.6
57.5°	33.2	33.2	33.2	35.1	35.1
60°	29.5	29.5	29.5	29.5	29.5
62.5°	25.8	25.8	25.8	25.8	25.8
65°	22.1	22.1	22.1	22.1	22.1
67.5°	18.5	18.5	18.5	20.3	20.3
70°	14.8	16.6	16.6	16.6	16.6
72.5°	12.9	12.9	12.9	12.9	12.9
75°	11.1	11.1	11.1	11.1	11.1
77.5°	9.2	9.2	9.2	9.2	9.2
80°	5.5	7.4	7.4	7.4	7.4
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.8	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)