

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: IRiS

Report Number: P106316

Luminaire Tested: **P3LED09NSP10840-E3MRC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P106316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13665)
Test Lab: PEACHTREE CITY
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: IRiS
Catalog Number: P3LED09NSP10840-E3MRC
Description: IRIS 3 INCH LED FIXTURE WITH
SPECULAR CLEAR DOWNLIGHT REFLECTOR
AND 10 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE
Light Source: (1) 4000K 80CRI LED
Ballast/Driver: (1) 340mA ELECTRONIC DRIVER

Summary

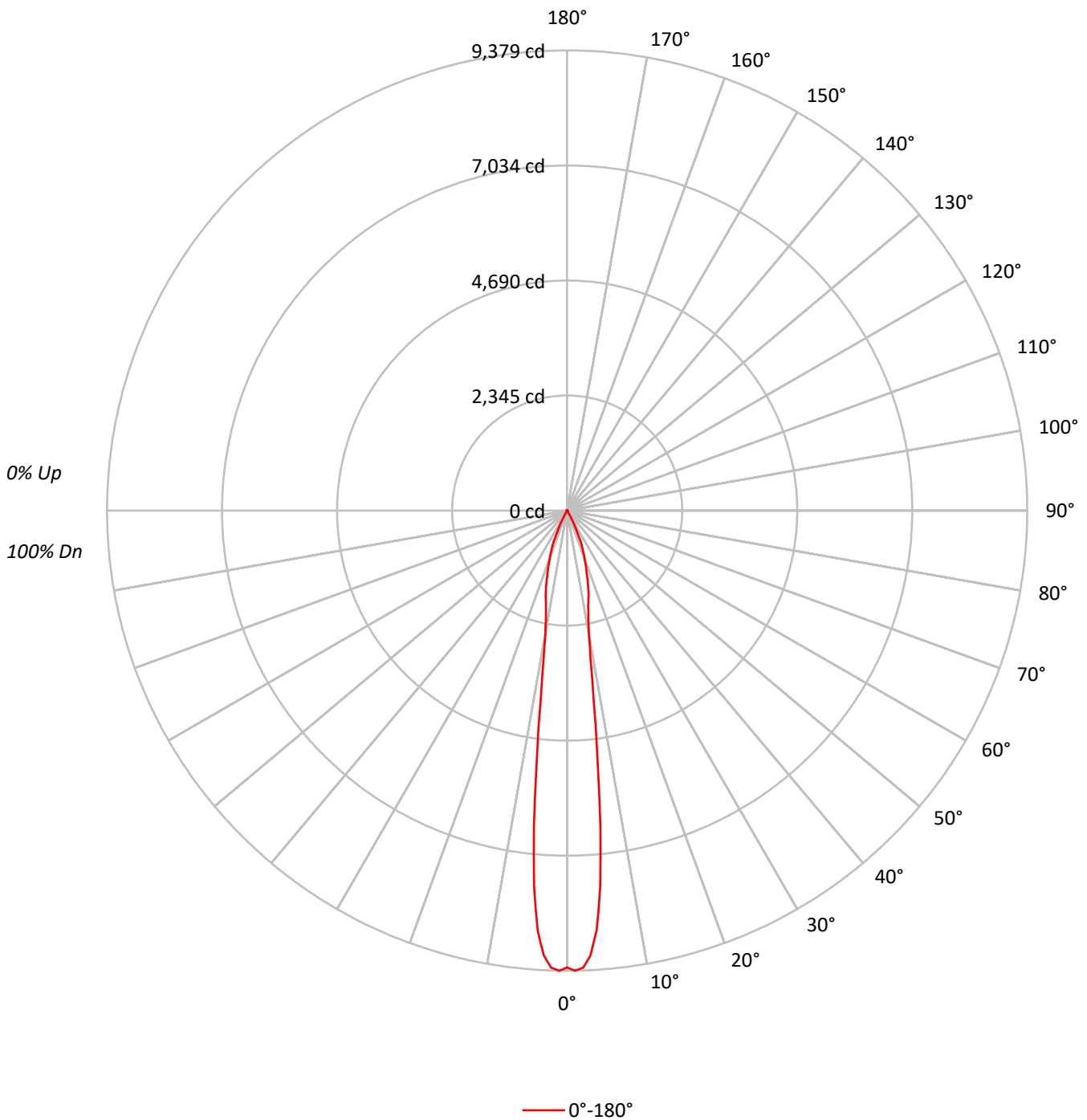
Lumens per Lamp: N/A
Luminaire Lumens: 1230.9 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.26
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 14.3
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: 25 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	107	107	107	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	112	108	105	103	110	106	104	102	103	101	99	100	99	97	98	96	95	94
3	108	104	100	97	107	102	99	97	100	97	95	98	96	94	96	94	92	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	91	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80
9	93	86	82	80	92	86	82	80	85	82	80	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1306787
5°	1086363
10°	364769
15°	243754
20°	155201
25°	72701
30°	5575
35°	1679
40°	183
45°	0
50°	0
55°	0
60°	3031
65°	332
70°	410
75°	3199
80°	0
85°	15780



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.8	42.7
10°-20°	458.1	37.2
20°-30°	226.7	18.4
30°-40°	5.9	0.5
40°-50°	1.6	0.1
50°-60°	4.8	0.4
60°-70°	1.9	0.2
70°-80°	3.0	0.2
80°-90°	4.8	0.4
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°	1210.5	98.3
0°-40°	1216.5	98.8
0°-60°	1222.9	99.4
0°-90°	1232.6	100.1
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1230.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9312	
5°	7712	526
15°	1678	458
25°	470	227
35°	10	6
45°	0	2
55°	0	5
65°	1	2
75°	6	3
85°	10	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9311.6
1°	9379.3
2°	9323.4
3°	9081.7
4°	8582.8
5°	7711.5
6°	6480.8
7°	5059.5
8°	3861.2
9°	3045.9
10°	2559.7
11°	2269.9
12.5°	1984.1
15°	1677.7
17.5°	1324.1
20°	1039.2
22.5°	805.4
25°	469.5
27.5°	268.1
30°	34.4
32.5°	4.9
35°	9.8
37.5°	6.9
40°	1.0
42.5°	3.9
45°	0.0
47.5°	3.9
50°	0.0
52.5°	0.0
55°	0.0
57.5°	7.9
60°	10.8
62.5°	0.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	3.9
75°	5.9
77.5°	1.0
80°	0.0
82.5°	4.9
85°	9.8
87.5°	2.9
90°	0.0

(END OF REPORT)