

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: RSA

Report Number: P226128

Luminaire Tested: **MRZ-1-REC-X-1-L30-80-WFL-UNV-X-STD-SFL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14883)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: RSA
Catalog Number: MRZ-1-REC-X-1-L30-80-WFL-UNV-X-STD-SFL
Description: MRZ INTEGRAL LED DOWNLIGHT
55 DEGREE WIDE FLOOD OPTIC WITH SOFT FOCUS LENS, LIGHT LEVEL 1
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 519.2 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.9
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

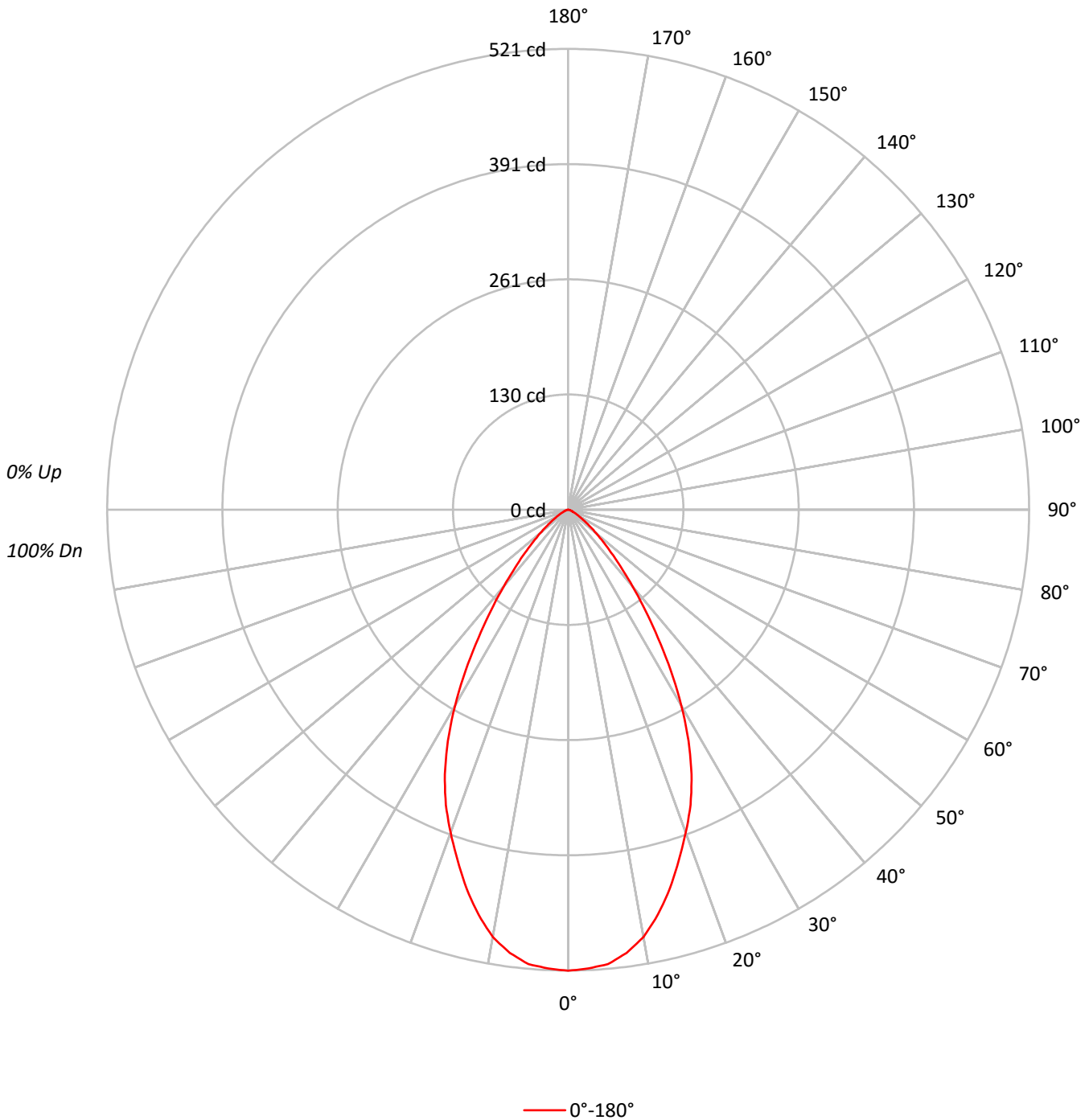
Input Watts (W): 5.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P226128

CATALOG NUMBER: MRZ-1-REC-X-1-L30-80-WFL-UNV-X-STD-SFL

Luminous Intensity Polar Plot





TEST NUMBER: P226128

CATALOG NUMBER: MRZ-1-REC-X-1-L30-80-WFL-UNV-X-STD-SFL

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	71	67	66
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	53
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	257149
5°	255408
10°	245736
15°	226584
20°	203979
25°	179592
30°	145731
35°	106488
40°	72715
45°	47935
50°	31317
55°	19870
60°	12729
65°	7939
70°	5914
75°	4003
80°	1989
85°	0



TEST NUMBER: P226128

CATALOG NUMBER: MRZ-1-REC-X-1-L30-80-WFL-UNV-X-STD-SFL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	9.3
10°-20°	123.8	23.8
20°-30°	149.6	28.8
30°-40°	111.3	21.4
40°-50°	54.8	10.6
50°-60°	21.7	4.2
60°-70°	7.5	1.4
70°-80°	2.2	0.4
80°-90°	0.1	0.0
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°	321.7	62.0
0°-40°	433.0	83.4
0°-60°	509.4	98.1
0°-90°	519.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	519.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	521	
5°	516	48
15°	444	124
25°	330	150
35°	177	111
45°	69	55
55°	23	22
65°	7	7
75°	2	2
85°	0	0
90°	0	

TEST NUMBER: P226128

CATALOG NUMBER: MRZ-1-REC-X-1-L30-80-WFL-UNV-X-STD-SFL

CANDELA DISTRIBUTION (FULL):

0°	
0°	521.2
2.5°	519.1
5°	515.7
7.5°	505.4
10°	490.5
12.5°	468.7
15°	443.6
17.5°	415.6
20°	388.5
22.5°	361.3
25°	329.9
27.5°	294.6
30°	255.8
32.5°	215.7
35°	176.8
37.5°	142.8
40°	112.9
42.5°	88.5
45°	68.7
47.5°	53.0
50°	40.8
52.5°	30.6
55°	23.1
57.5°	17.1
60°	12.9
62.5°	9.6
65°	6.8
67.5°	5.4
70°	4.1
72.5°	2.7
75°	2.1
77.5°	1.3
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)