

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: P219844

Luminaire Tested: **MRZ-1-REC-X-4-L27-80-WFL-UNV-X-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P219844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14880)
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-4-L27-80-WFL-UNV-X-STD
Description: MRZ INTEGRAL LED DOWNLIGHT
55 DEGREE WIDE FLOOD OPTIC, LIGHT LEVEL 4
Light Source: (1) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1464.3 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

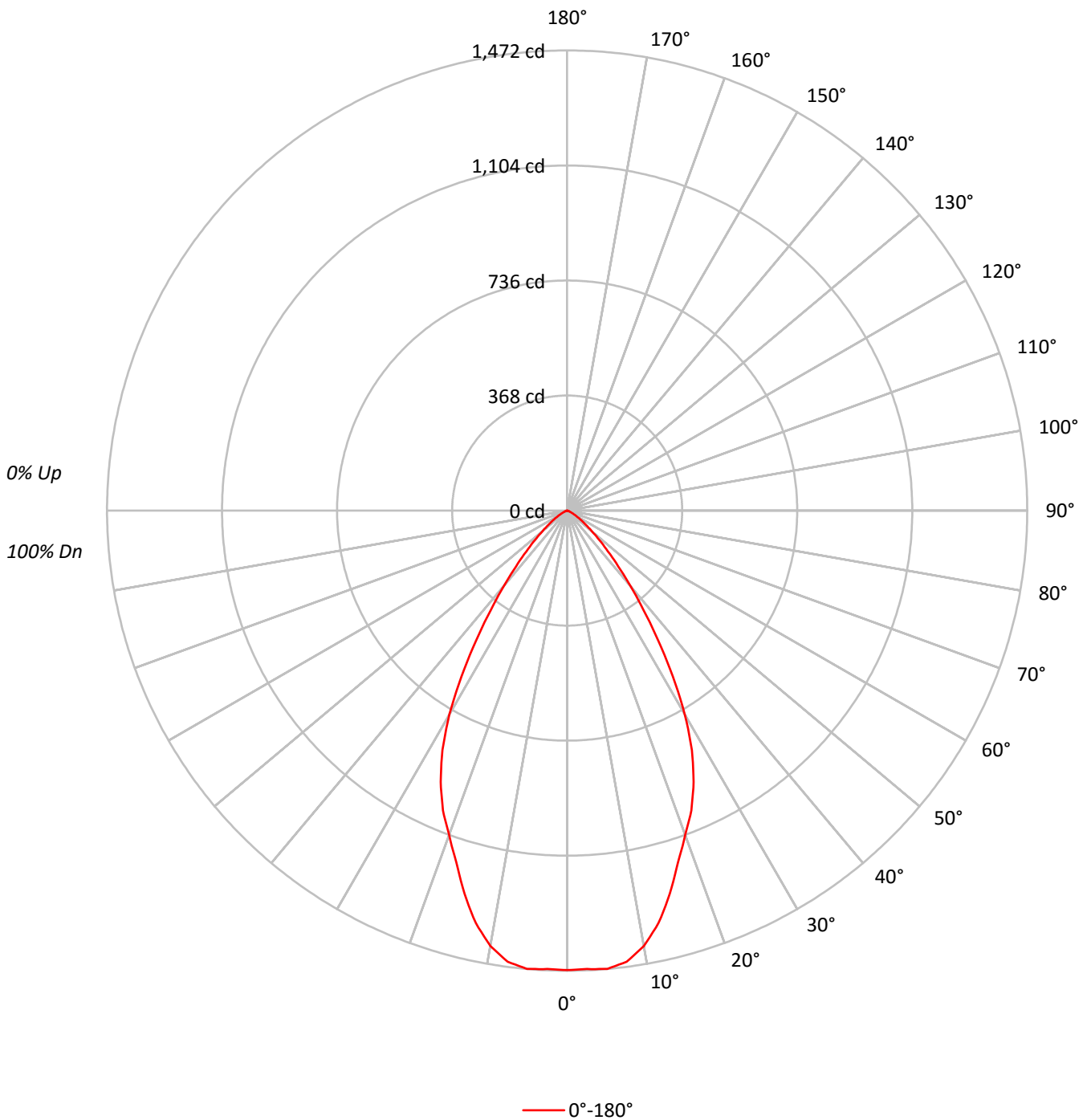
Input Watts (W): 15.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P219844

CATALOG NUMBER: MRZ-1-REC-X-4-L27-80-WFL-UNV-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P219844

CATALOG NUMBER: MRZ-1-REC-X-4-L27-80-WFL-UNV-X-STD

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	108	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	76		82	78	75		80	77	74	72
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75	71	68	67
6	85	76	69	65	84	75	69	65	73	68	64		72	67	64		71	66	63	62
7	81	71	64	60	79	70	64	60	69	63	59		68	63	59		66	62	59	57
8	76	66	60	56	75	66	60	56	65	59	55		64	59	55		63	58	55	53
9	73	62	56	52	71	62	56	52	61	55	52		60	55	51		59	55	51	50
10	69	59	53	49	68	58	52	48	57	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	725169
5°	728831
10°	708501
15°	648185
20°	579701
25°	521084
30°	428874
35°	305549
40°	202042
45°	128804
50°	79826
55°	49374
60°	28320
65°	14593
70°	7790
75°	6863
80°	0
85°	0



TEST NUMBER: P219844

CATALOG NUMBER: MRZ-1-REC-X-4-L27-80-WFL-UNV-X-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.6	9.5
10°-20°	353.8	24.2
20°-30°	433.5	29.6
30°-40°	319.8	21.8
40°-50°	147.9	10.1
50°-60°	53.7	3.7
60°-70°	13.9	0.9
70°-80°	3.1	0.2
80°-90°	0.0	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°	926.0	63.2
0°-40°	1245.8	85.1
0°-60°	1447.4	98.8
0°-90°	1464.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1464.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1470	
5°	1472	139
15°	1269	354
25°	957	434
35°	507	320
45°	185	148
55°	57	54
65°	12	14
75°	4	3
85°	0	0
90°	0	

TEST NUMBER: P219844

CATALOG NUMBER: MRZ-1-REC-X-4-L27-80-WFL-UNV-X-STD

CANDELA DISTRIBUTION (FULL):

	0°
0°	1469.8
2.5°	1468.0
5°	1471.6
7.5°	1455.4
10°	1414.2
12.5°	1351.5
15°	1269.0
17.5°	1179.4
20°	1104.1
22.5°	1037.8
25°	957.2
27.5°	863.9
30°	752.8
32.5°	629.1
35°	507.3
37.5°	401.5
40°	313.7
42.5°	242.0
45°	184.6
47.5°	139.8
50°	104.0
52.5°	77.1
55°	57.4
57.5°	41.2
60°	28.7
62.5°	19.7
65°	12.5
67.5°	7.2
70°	5.4
72.5°	3.6
75°	3.6
77.5°	1.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)