

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: P219920

Luminaire Tested: **MRZ-1-REC-X-1H-L35-97-WFL-UNV-X-STD-SFL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P219920
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-1H-L35-97-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) 3500K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 466.7 lumens
Efficiency: N/A
Efficacy: 68.6 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

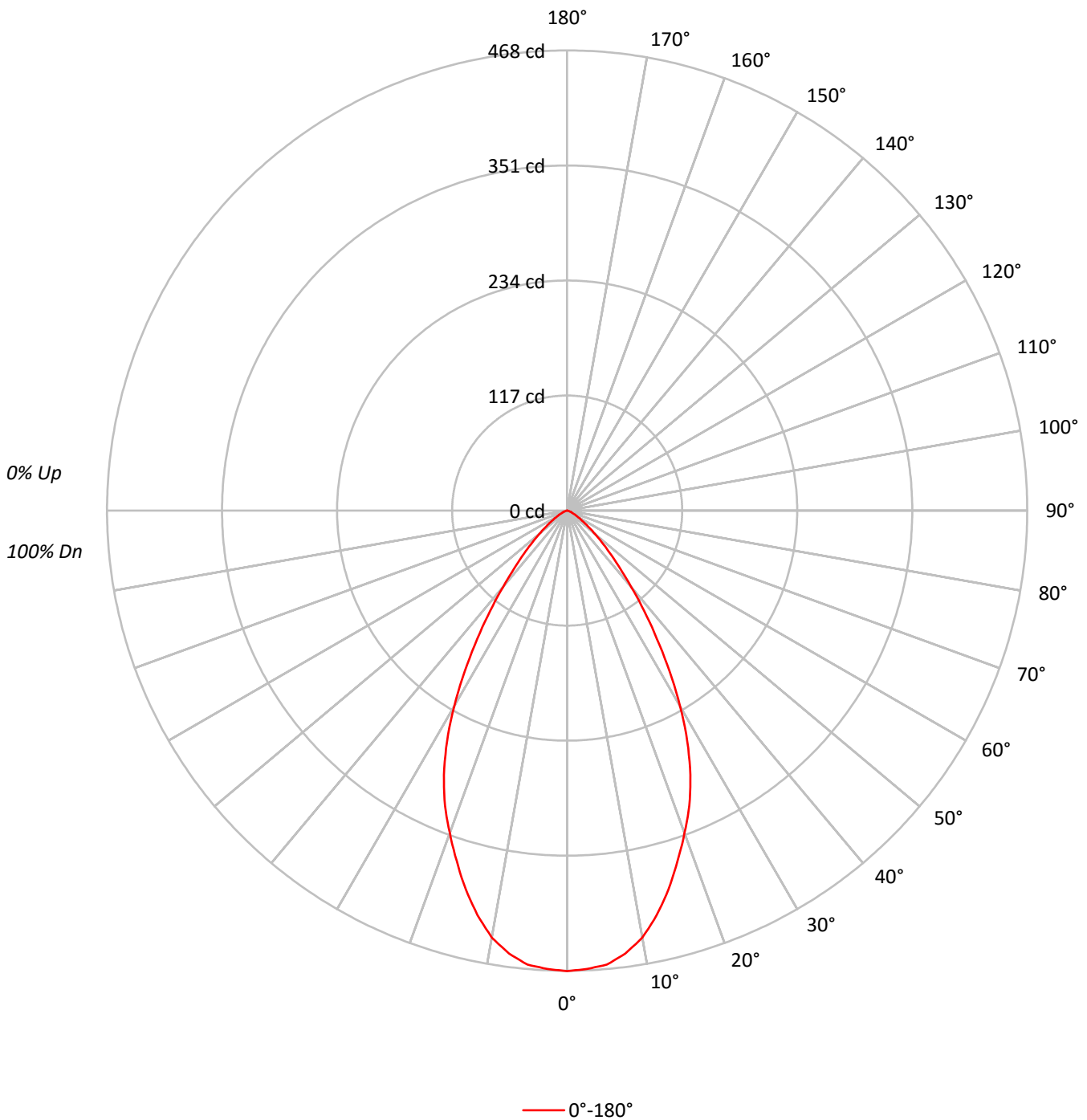
Input Watts (W): 6.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		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°	231099
5°	229555
10°	220887
15°	203650
20°	183293
25°	161464
30°	130975
35°	95767
40°	65372
45°	43121
50°	28170
55°	17892
60°	11446
65°	7121
70°	5337
75°	3431
80°	1705
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	9.3
10°-20°	111.2	23.8
20°-30°	134.4	28.8
30°-40°	100.0	21.4
40°-50°	49.3	10.6
50°-60°	19.5	4.2
60°-70°	6.7	1.4
70°-80°	2.0	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°	289.1	62.0
0°-40°	389.2	83.4
0°-60°	457.9	98.1
0°-90°	466.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	466.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	468	
5°	464	43
15°	399	111
25°	297	134
35°	159	100
45°	62	49
55°	21	19
65°	6	7
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	468.4
2.5°	466.5
5°	463.5
7.5°	454.3
10°	440.9
12.5°	421.3
15°	398.7
17.5°	373.6
20°	349.1
22.5°	324.7
25°	296.6
27.5°	264.8
30°	229.9
32.5°	193.8
35°	159.0
37.5°	128.4
40°	101.5
42.5°	79.5
45°	61.8
47.5°	47.7
50°	36.7
52.5°	27.5
55°	20.8
57.5°	15.3
60°	11.6
62.5°	8.6
65°	6.1
67.5°	4.9
70°	3.7
72.5°	2.4
75°	1.8
77.5°	1.2
80°	0.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)