

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: FAIL-SAFE

Report Number: P365607

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2586.0 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

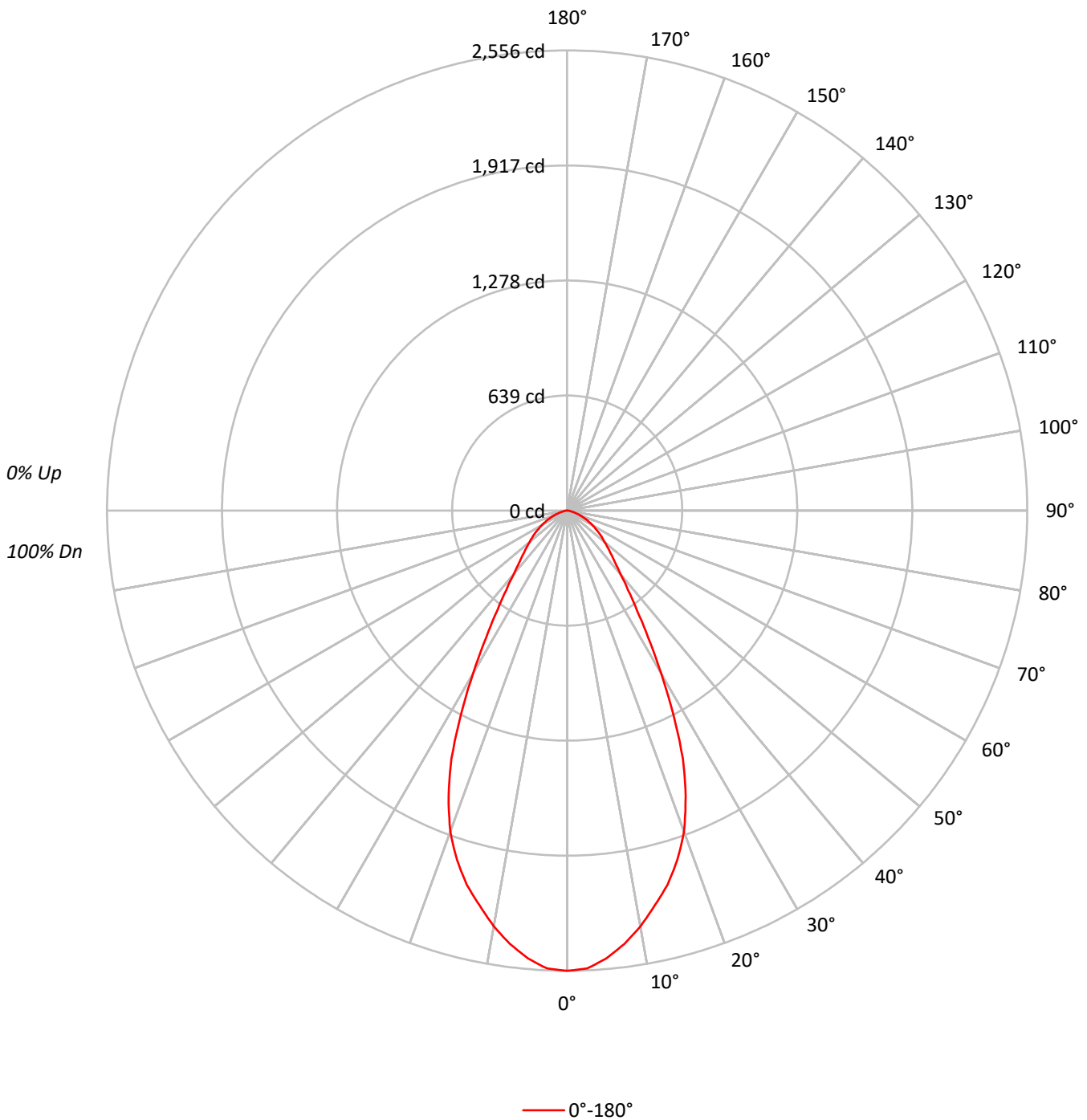
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	183036
5°	179451
10°	170431
15°	159545
20°	144622
25°	120094
30°	86151
35°	59071
40°	43332
45°	35168
50°	30277
55°	26852
60°	23314
65°	19704
70°	15513
75°	11260
80°	7175
85°	8380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.5	9.0
10°-20°	599.9	23.2
20°-30°	681.2	26.3
30°-40°	436.0	16.9
40°-50°	272.4	10.5
50°-60°	192.9	7.5
60°-70°	115.4	4.5
70°-80°	44.9	1.7
80°-90°	9.9	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°	1514.6	58.6
0°-40°	1950.6	75.4
0°-60°	2415.8	93.4
0°-90°	2586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2586.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2556	
5°	2497	233
15°	2152	600
25°	1520	681
35°	676	436
45°	347	272
55°	215	193
65°	116	115
75°	41	45
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2556.3
2.5°	2546.1
5°	2496.7
7.5°	2428.4
10°	2344.1
12.5°	2246.8
15°	2152.3
17.5°	2034.6
20°	1898.0
22.5°	1720.7
25°	1520.1
27.5°	1277.4
30°	1042.0
32.5°	837.1
35°	675.8
37.5°	555.2
40°	463.6
42.5°	395.3
45°	347.3
47.5°	306.6
50°	271.8
52.5°	244.2
55°	215.1
57.5°	187.5
60°	162.8
62.5°	138.1
65°	116.3
67.5°	94.5
70°	74.1
72.5°	56.7
75°	40.7
77.5°	27.6
80°	17.4
82.5°	11.6
85°	10.2
87.5°	5.8
90°	0.0

(END OF REPORT)