

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: P365605

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365605  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)  
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-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2519.0 lumens  
Efficiency: N/A  
Efficacy: 62.0 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

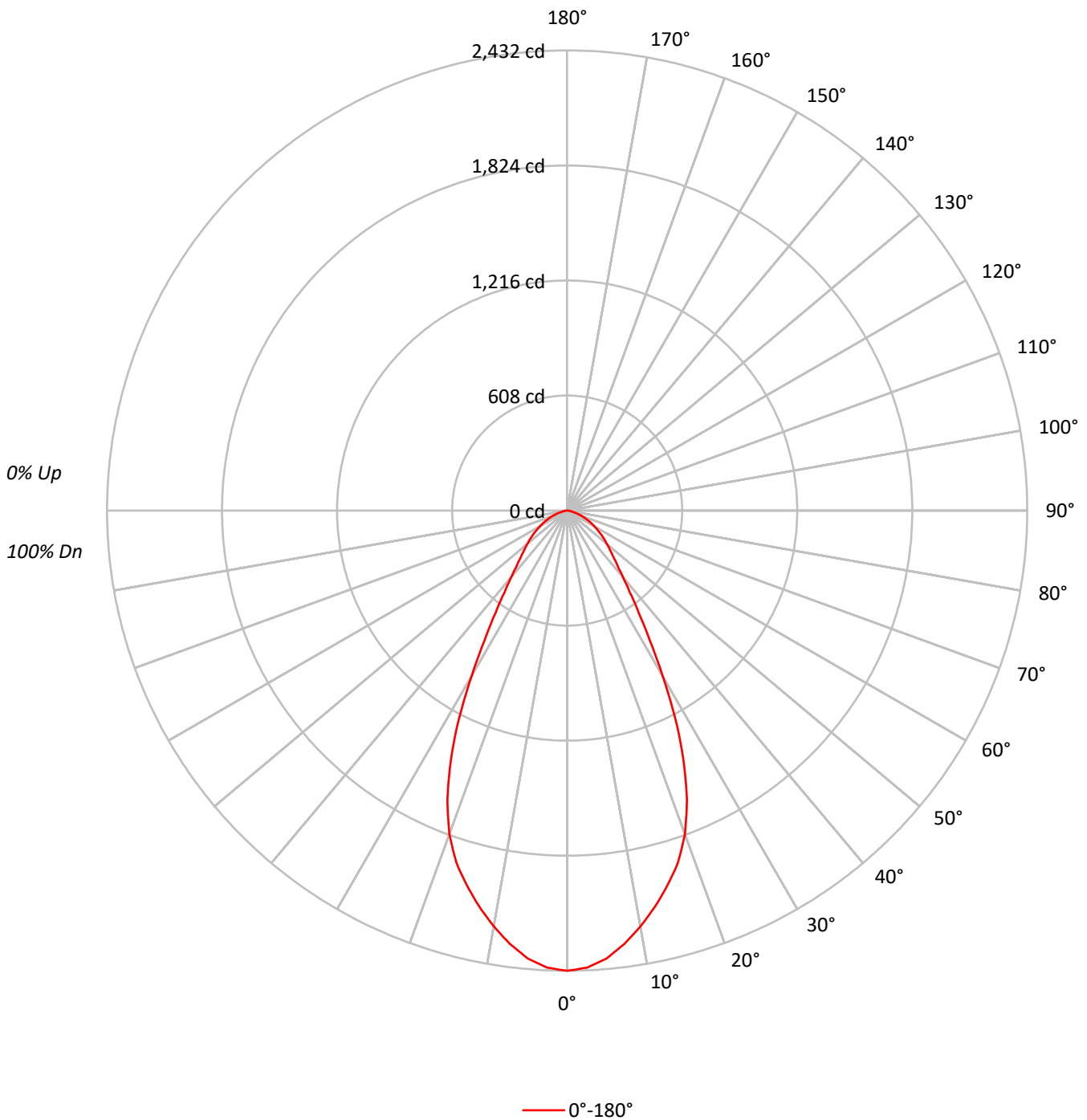
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	106	104	101	102	100	98		99	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78		84	80	77		82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64		72	67	64		71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50		59	54	50		58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44		53	48	44		52	47	44	42

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	174143
5°	170841
10°	162244
15°	151947
20°	138686
25°	114966
30°	83415
35°	57690
40°	42669
45°	34884
50°	30611
55°	27226
60°	23729
65°	20195
70°	16120
75°	11675
80°	8412
85°	9530



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.1	8.8
10°-20°	573.1	22.8
20°-30°	655.6	26.0
30°-40°	425.0	16.9
40°-50°	271.0	10.8
50°-60°	195.2	7.7
60°-70°	118.7	4.7
70°-80°	47.3	1.9
80°-90°	11.1	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°	1450.8	57.6
0°-40°	1875.8	74.5
0°-60°	2342.0	93.0
0°-90°	2519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2519.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2432	
5°	2377	222
15°	2050	573
25°	1455	656
35°	660	425
45°	344	271
55°	218	195
65°	119	119
75°	42	47
85°	12	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2432.1
2.5°	2417.6
5°	2376.9
7.5°	2310.0
10°	2231.5
12.5°	2144.3
15°	2049.8
17.5°	1949.5
20°	1820.1
22.5°	1654.4
25°	1455.2
27.5°	1237.1
30°	1008.9
32.5°	812.6
35°	660.0
37.5°	543.7
40°	456.5
42.5°	392.5
45°	344.5
47.5°	306.7
50°	274.8
52.5°	245.7
55°	218.1
57.5°	190.4
60°	165.7
62.5°	142.5
65°	119.2
67.5°	97.4
70°	77.0
72.5°	59.6
75°	42.2
77.5°	29.1
80°	20.4
82.5°	13.1
85°	11.6
87.5°	5.8
90°	0.0

(END OF REPORT)