

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: P364880

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364880  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)  
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-LI-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3175.0 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

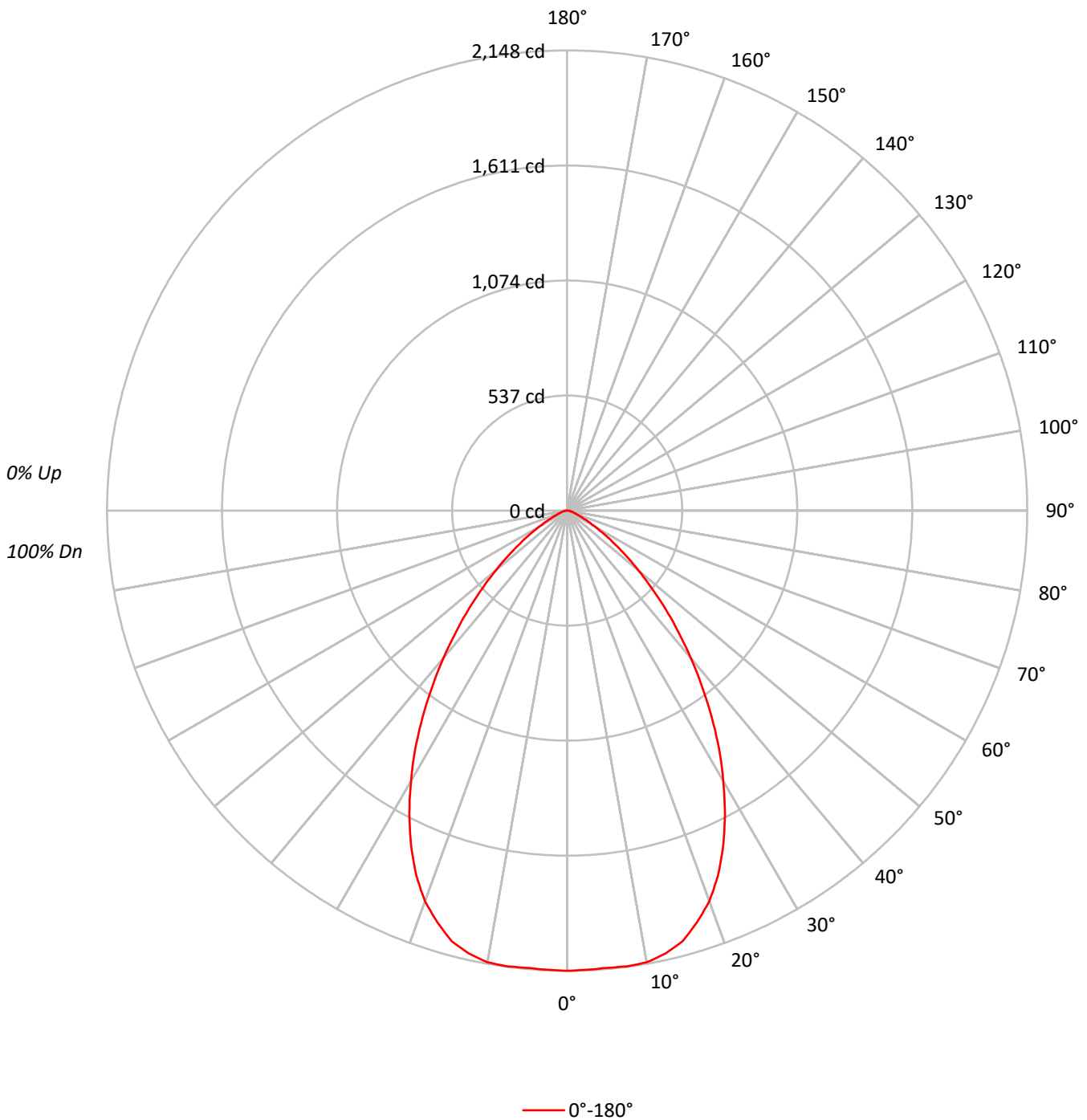
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91					91			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81					81			
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73					73			
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66					66			
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60					60			
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54					54			
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50					50			
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46					46			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42					42			
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39					39			

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

	0°
0°	153822
5°	153993
10°	155672
15°	154297
20°	147860
25°	136195
30°	120537
35°	102785
40°	83964
45°	65647
50°	48411
55°	33568
60°	21438
65°	13046
70°	8835
75°	6833
80°	5979
85°	8380



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.6	6.4
10°-20°	582.1	18.3
20°-30°	787.3	24.8
30°-40°	732.4	23.1
40°-50°	501.8	15.8
50°-60°	247.3	7.8
60°-70°	82.6	2.6
70°-80°	27.4	0.9
80°-90°	9.5	0.3
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
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0°-30°	1574.0	49.6
0°-40°	2306.4	72.6
0°-60°	3055.5	96.2
0°-90°	3175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3175.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2148	
5°	2142	205
15°	2082	582
25°	1724	787
35°	1176	732
45°	648	502
55°	269	247
65°	77	83
75°	25	27
85°	10	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2148.3
2.5°	2145.4
5°	2142.5
7.5°	2145.4
10°	2141.1
12.5°	2117.8
15°	2081.5
17.5°	2014.6
20°	1940.5
22.5°	1841.7
25°	1723.9
27.5°	1596.0
30°	1457.9
32.5°	1319.8
35°	1175.9
37.5°	1033.5
40°	898.3
42.5°	767.5
45°	648.3
47.5°	534.9
50°	434.6
52.5°	347.4
55°	268.9
57.5°	205.0
60°	149.7
62.5°	107.6
65°	77.0
67.5°	55.2
70°	42.2
72.5°	32.0
75°	24.7
77.5°	18.9
80°	14.5
82.5°	11.6
85°	10.2
87.5°	5.8
90°	0.0

(END OF REPORT)