

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: P366246

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2985.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

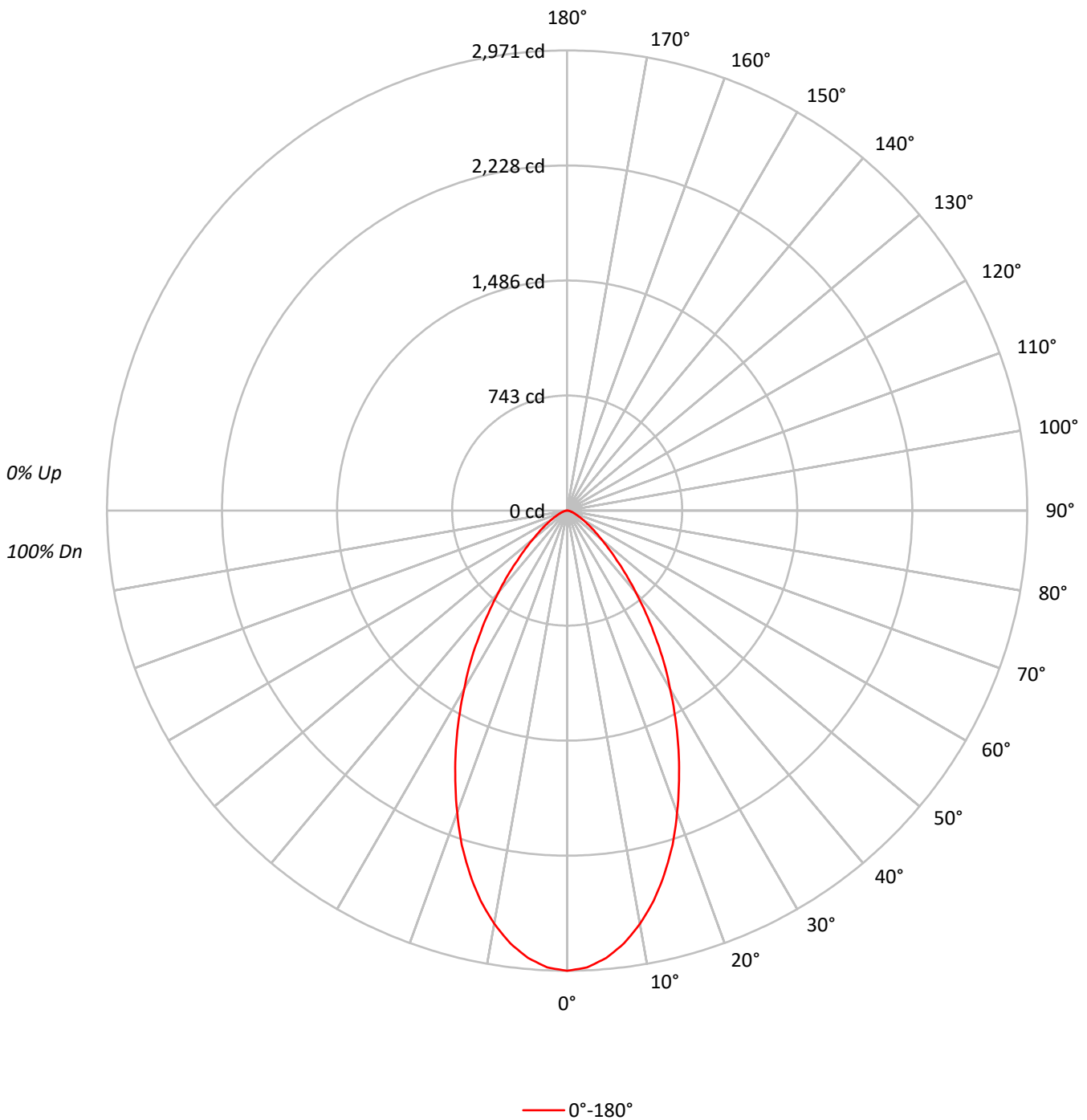
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80		85	82	79		83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72		79	75	72		78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56		65	60	56		64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	212743
5°	208352
10°	196969
15°	180027
20°	158155
25°	134433
30°	109979
35°	86571
40°	64503
45°	45739
50°	32270
55°	23182
60°	16597
65°	12046
70°	9379
75°	7663
80°	6515
85°	6490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.7	9.1
10°-20°	675.8	22.6
20°-30°	777.4	26.0
30°-40°	620.3	20.8
40°-50°	357.6	12.0
50°-60°	170.4	5.7
60°-70°	73.7	2.5
70°-80°	30.2	1.0
80°-90°	9.0	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
0°-30°	1723.8	57.7
0°-40°	2344.1	78.5
0°-60°	2872.1	96.2
0°-90°	2985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2985.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2971	
5°	2899	271
15°	2429	676
25°	1702	777
35°	990	620
45°	452	358
55°	186	170
65°	71	74
75°	28	30
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2971.2
2.5°	2952.7
5°	2898.8
7.5°	2818.4
10°	2709.1
12.5°	2581.4
15°	2428.6
17.5°	2262.6
20°	2075.6
22.5°	1887.3
25°	1701.6
27.5°	1513.3
30°	1330.2
32.5°	1162.9
35°	990.4
37.5°	836.3
40°	690.1
42.5°	565.0
45°	451.7
47.5°	362.2
50°	289.7
52.5°	231.8
55°	185.7
57.5°	146.2
60°	115.9
62.5°	90.9
65°	71.1
67.5°	56.6
70°	44.8
72.5°	35.6
75°	27.7
77.5°	21.1
80°	15.8
82.5°	11.9
85°	7.9
87.5°	5.3
90°	0.0

(END OF REPORT)