

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: P364844

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364844
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-FEU6B35-8035-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: 3067.0 lumens
Efficiency: N/A
Efficacy: 75.5 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

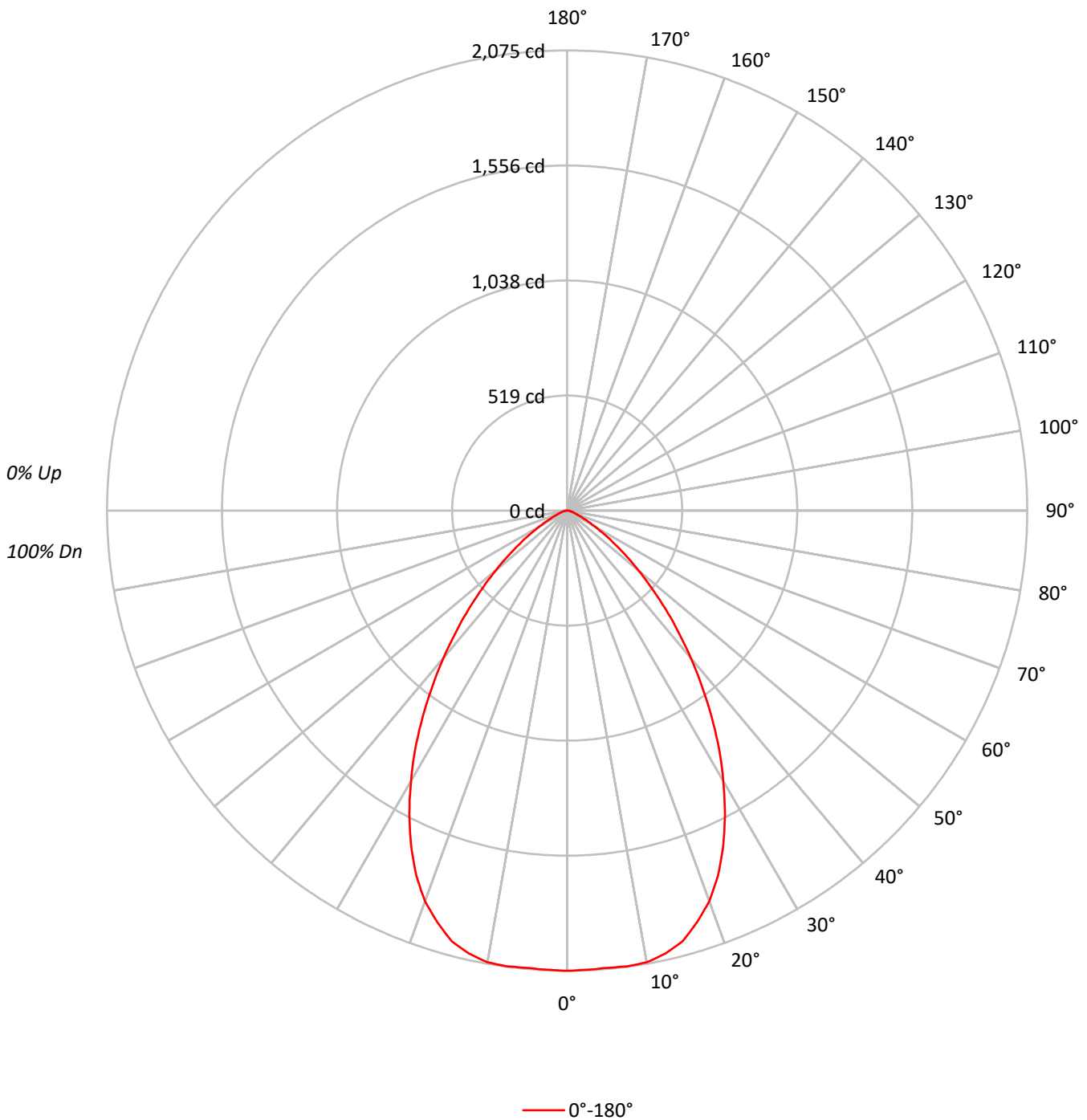
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	148595
5°	148760
10°	150379
15°	149049
20°	142831
25°	131565
30°	116436
35°	99289
40°	81104
45°	63409
50°	46763
55°	32432
60°	20707
65°	12605
70°	8521
75°	6612
80°	5773
85°	8051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.7	6.4
10°-20°	562.3	18.3
20°-30°	760.5	24.8
30°-40°	707.4	23.1
40°-50°	484.7	15.8
50°-60°	238.9	7.8
60°-70°	79.8	2.6
70°-80°	26.5	0.9
80°-90°	9.1	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°	1520.5	49.6
0°-40°	2227.9	72.6
0°-60°	2951.5	96.2
0°-90°	3067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3067.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2075	
5°	2070	198
15°	2011	562
25°	1665	761
35°	1136	707
45°	626	485
55°	260	239
65°	74	80
75°	24	26
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2075.3
2.5°	2072.5
5°	2069.7
7.5°	2072.5
10°	2068.3
12.5°	2045.8
15°	2010.7
17.5°	1946.1
20°	1874.5
22.5°	1779.0
25°	1665.3
27.5°	1541.7
30°	1408.3
32.5°	1274.9
35°	1135.9
37.5°	998.3
40°	867.7
42.5°	741.4
45°	626.2
47.5°	516.7
50°	419.8
52.5°	335.6
55°	259.8
57.5°	198.0
60°	144.6
62.5°	103.9
65°	74.4
67.5°	53.4
70°	40.7
72.5°	30.9
75°	23.9
77.5°	18.3
80°	14.0
82.5°	11.2
85°	9.8
87.5°	5.6
90°	0.0

(END OF REPORT)