

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: P365603

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
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-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2484.0 lumens
Efficiency: N/A
Efficacy: 61.2 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

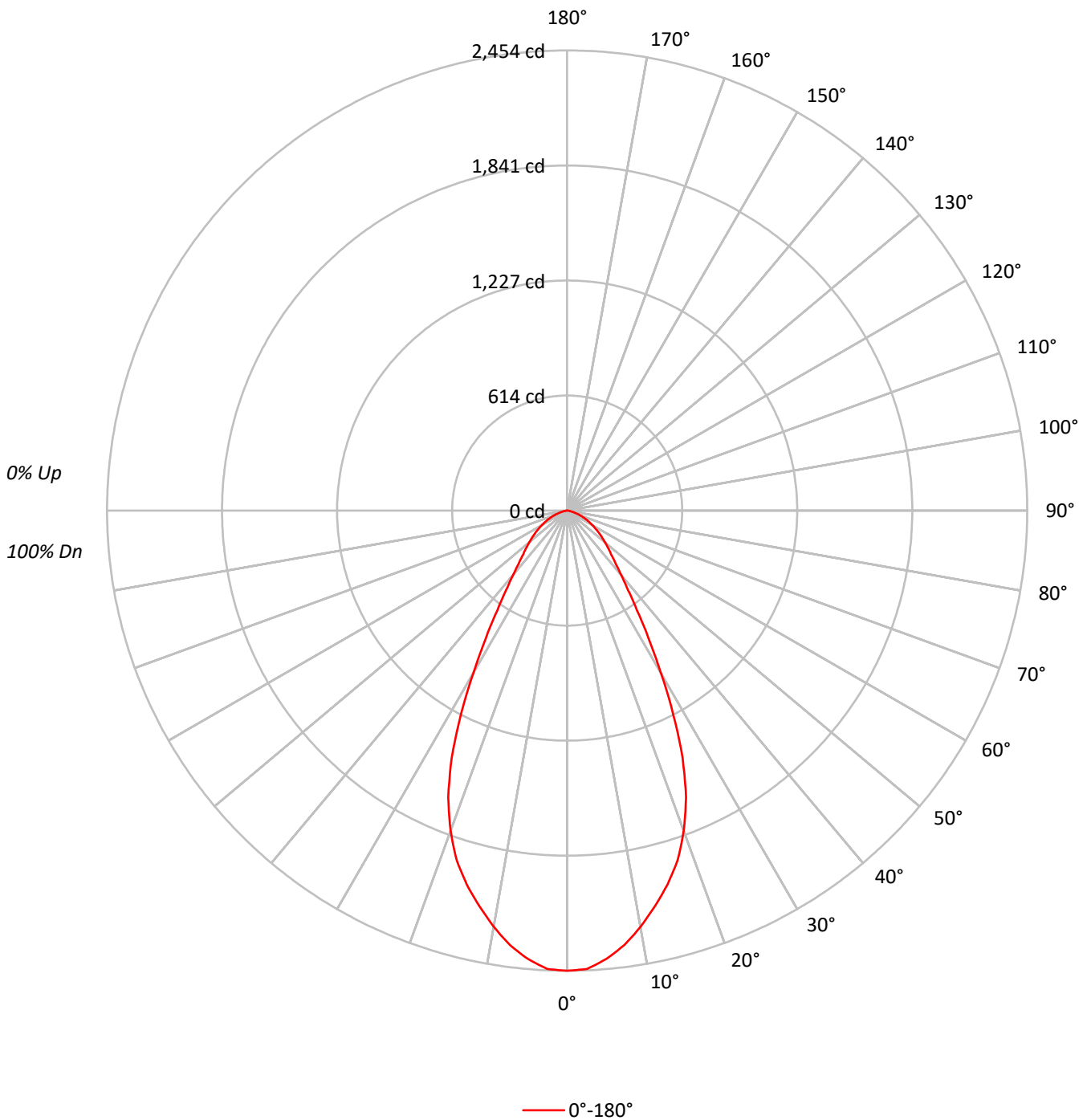
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	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	86	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°	175704
5°	172508
10°	163829
15°	153133
20°	138572
25°	115077
30°	82571
35°	56676
40°	41715
45°	33710
50°	29307
55°	25766
60°	22268
65°	18959
70°	14906
75°	10457
80°	6597
85°	7147



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.5	9.0
10°-20°	576.4	23.2
20°-30°	653.8	26.3
30°-40°	419.0	16.9
40°-50°	262.7	10.6
50°-60°	185.3	7.5
60°-70°	111.3	4.5
70°-80°	42.5	1.7
80°-90°	8.5	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
0°-30°	1454.7	58.6
0°-40°	1873.8	75.4
0°-60°	2321.7	93.5
0°-90°	2484.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2484.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2454	
5°	2400	225
15°	2066	576
25°	1457	654
35°	648	419
45°	333	263
55°	206	185
65°	112	111
75°	38	42
85°	9	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2453.9
2.5°	2446.6
5°	2400.1
7.5°	2337.6
10°	2253.3
12.5°	2161.7
15°	2065.8
17.5°	1956.7
20°	1818.6
22.5°	1657.3
25°	1456.6
27.5°	1225.5
30°	998.7
32.5°	806.8
35°	648.4
37.5°	533.5
40°	446.3
42.5°	382.3
45°	332.9
47.5°	296.6
50°	263.1
52.5°	234.1
55°	206.4
57.5°	180.3
60°	155.5
62.5°	133.7
65°	111.9
67.5°	91.6
70°	71.2
72.5°	53.8
75°	37.8
77.5°	26.2
80°	16.0
82.5°	10.2
85°	8.7
87.5°	4.4
90°	0.0

(END OF REPORT)