

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: P365587

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365587
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-FEU6B35-8040-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: 2460.0 lumens
Efficiency: N/A
Efficacy: 60.6 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

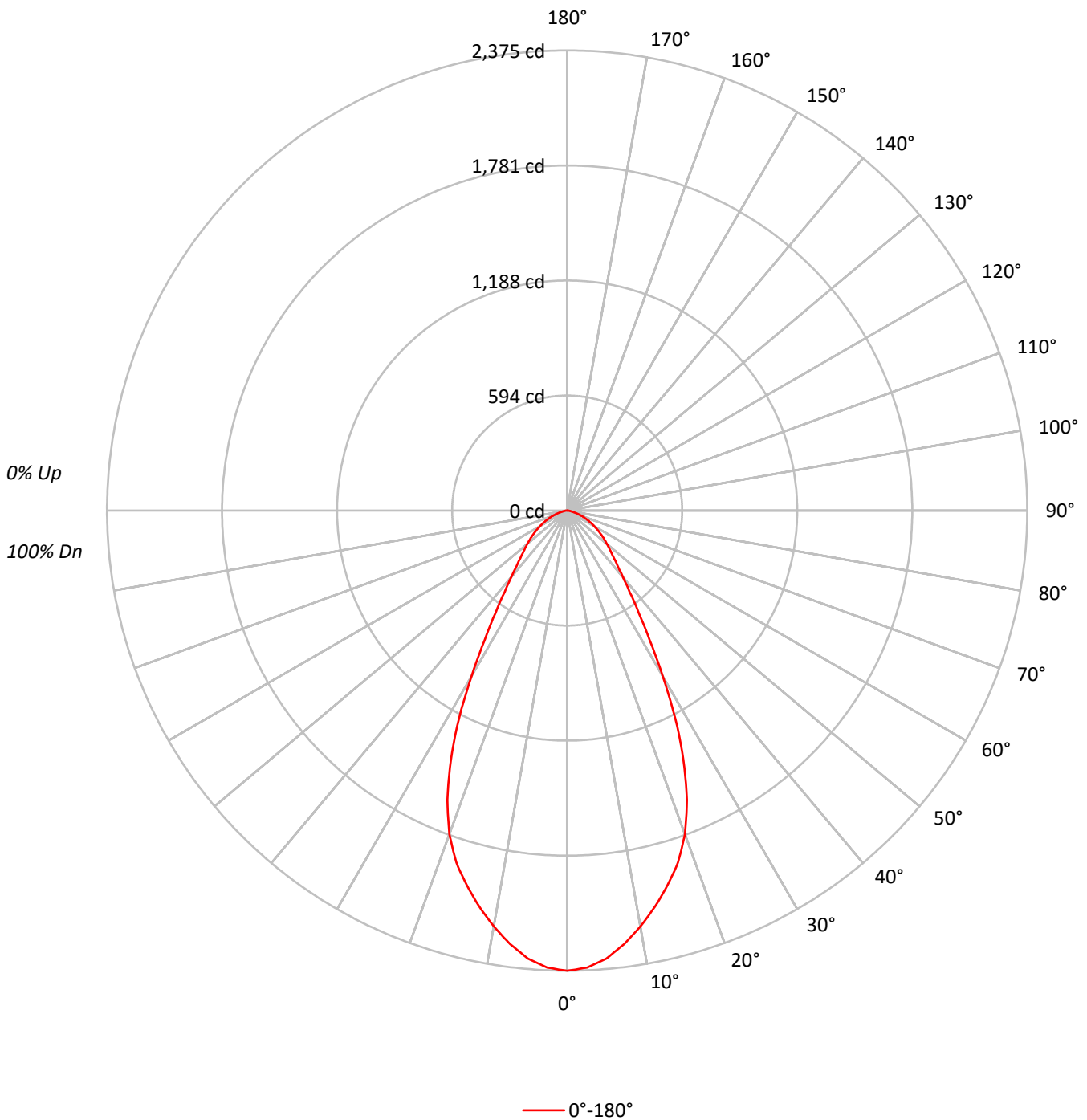
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	170062
5°	166837
10°	158442
15°	148389
20°	135440
25°	112272
30°	81463
35°	56336
40°	41669
45°	34074
50°	29887
55°	26590
60°	23170
65°	19721
70°	15743
75°	11398
80°	8206
85°	9366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.9	8.8
10°-20°	559.7	22.8
20°-30°	640.2	26.0
30°-40°	415.1	16.9
40°-50°	264.7	10.8
50°-60°	190.6	7.7
60°-70°	115.9	4.7
70°-80°	46.2	1.9
80°-90°	10.8	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°	1416.8	57.6
0°-40°	1831.9	74.5
0°-60°	2287.2	93.0
0°-90°	2460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2460.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2375	
5°	2321	217
15°	2002	560
25°	1421	640
35°	644	415
45°	336	265
55°	213	191
65°	116	116
75°	41	46
85°	11	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2375.1
2.5°	2360.9
5°	2321.2
7.5°	2255.9
10°	2179.2
12.5°	2094.0
15°	2001.8
17.5°	1903.8
20°	1777.5
22.5°	1615.6
25°	1421.1
27.5°	1208.2
30°	985.3
32.5°	793.6
35°	644.5
37.5°	531.0
40°	445.8
42.5°	383.3
45°	336.5
47.5°	299.6
50°	268.3
52.5°	239.9
55°	213.0
57.5°	186.0
60°	161.8
62.5°	139.1
65°	116.4
67.5°	95.1
70°	75.2
72.5°	58.2
75°	41.2
77.5°	28.4
80°	19.9
82.5°	12.8
85°	11.4
87.5°	5.7
90°	0.0

(END OF REPORT)