

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: P366311

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
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-WMH-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3810.0 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

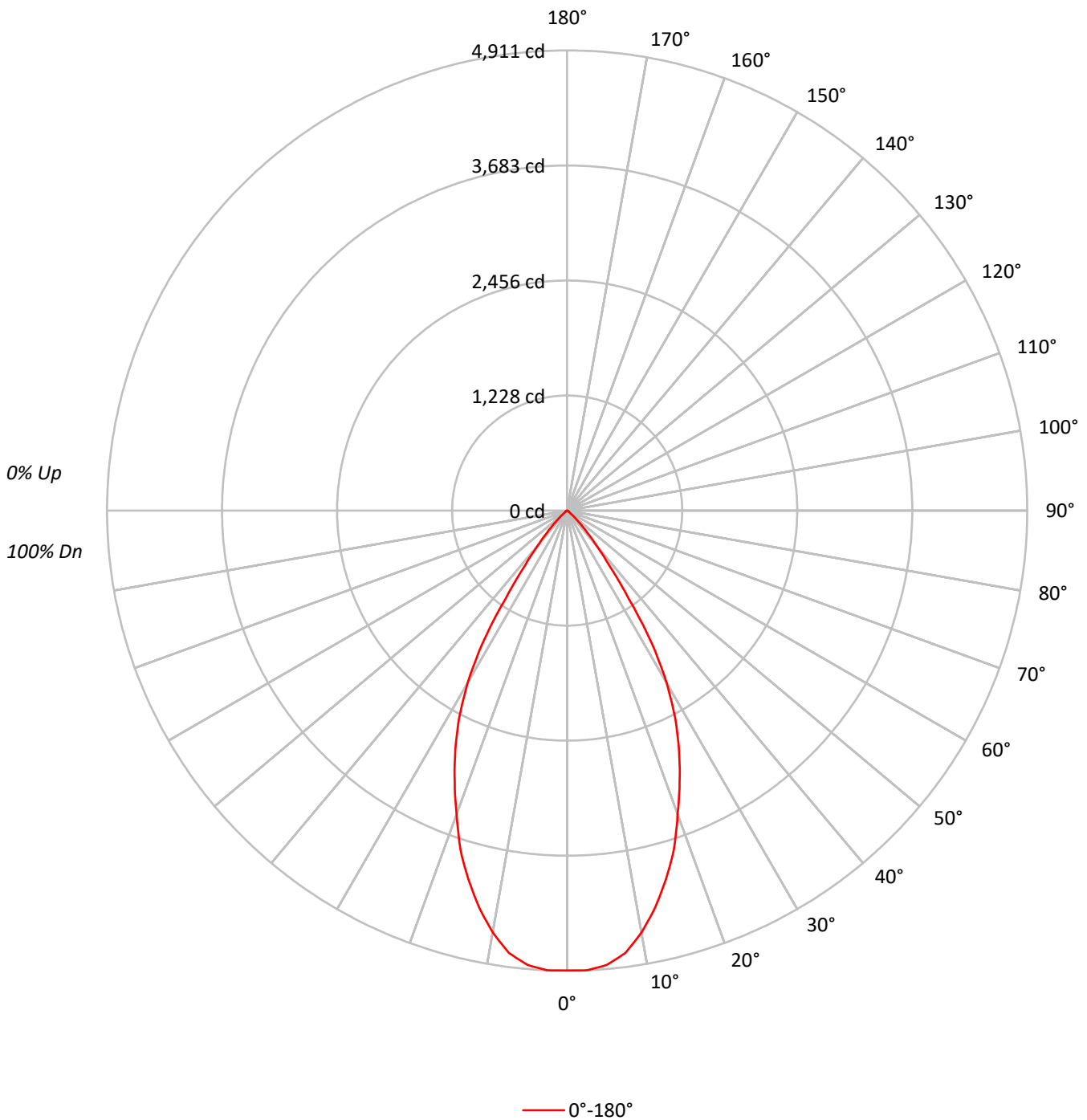
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75		81	77	74		80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65		73	68	65		72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62		69	65	61		68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58		66	61	58		65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55		62	58	55		62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	134033
5°	133468
10°	126787
15°	115168
20°	100216
25°	85203
30°	67025
35°	38241
40°	17205
45°	7243
50°	2286
55°	691
60°	475
65°	375
70°	351
75°	464
80°	236
85°	470



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.3	12.0
10°-20°	1132.9	29.7
20°-30°	1283.7	33.7
30°-40°	744.2	19.5
40°-50°	165.0	4.3
50°-60°	18.1	0.5
60°-70°	5.9	0.2
70°-80°	3.9	0.1
80°-90°	1.0	0.0
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°	2871.9	75.4
0°-40°	3616.1	94.9
0°-60°	3799.2	99.7
0°-90°	3810.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3810.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4907	
5°	4868	455
15°	4073	1133
25°	2827	1284
35°	1147	744
45°	188	165
55°	14	18
65°	6	6
75°	4	4
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4906.9
2.5°	4911.3
5°	4867.6
7.5°	4761.5
10°	4571.1
12.5°	4340.0
15°	4072.6
17.5°	3790.6
20°	3447.6
22.5°	3138.0
25°	2827.0
27.5°	2495.6
30°	2125.0
32.5°	1687.5
35°	1146.8
37.5°	736.9
40°	482.5
42.5°	315.4
45°	187.5
47.5°	104.6
50°	53.8
52.5°	24.7
55°	14.5
57.5°	11.6
60°	8.7
62.5°	7.3
65°	5.8
67.5°	4.4
70°	4.4
72.5°	4.4
75°	4.4
77.5°	2.9
80°	1.5
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)