

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: P365539

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3118.0 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

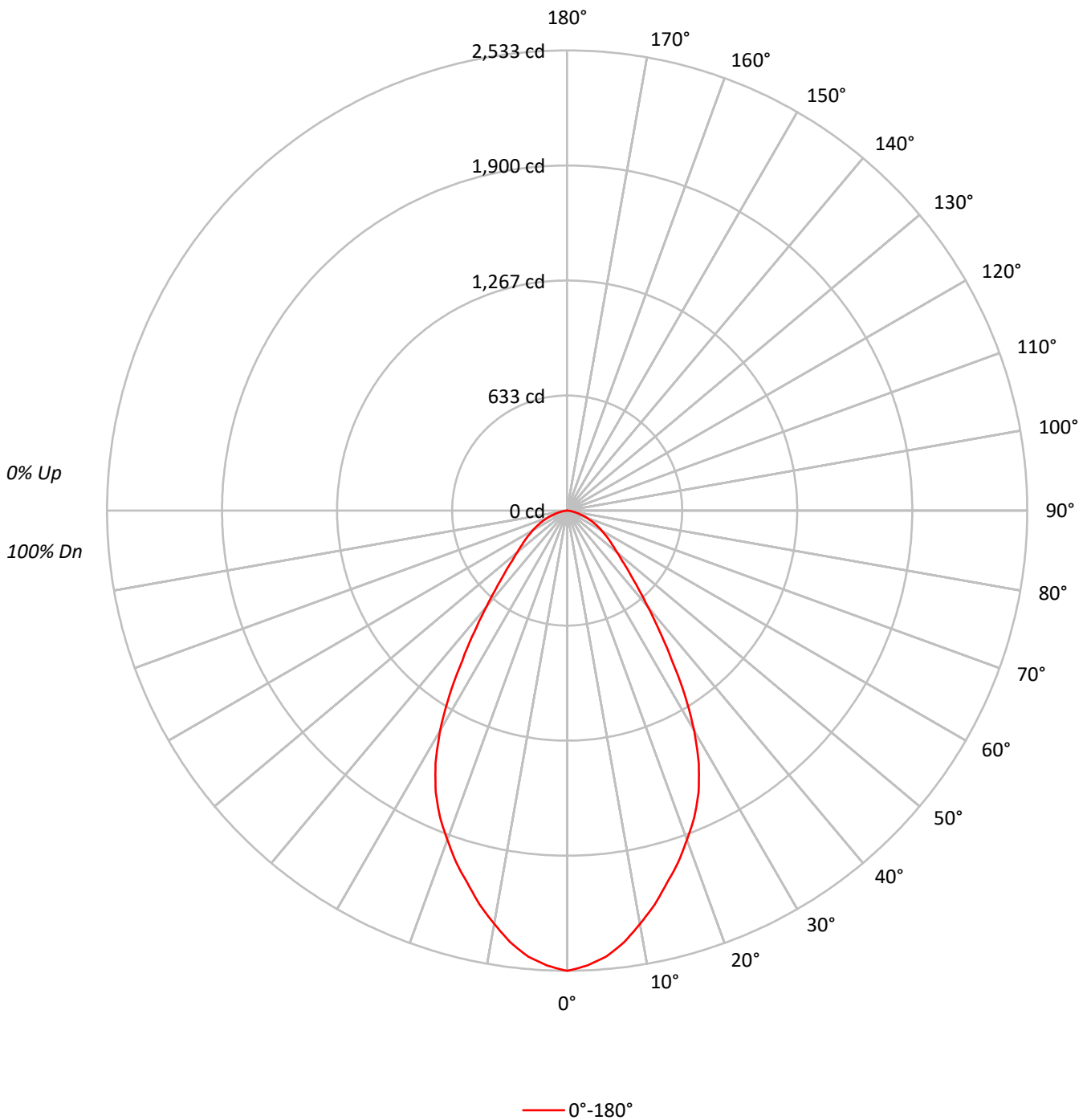
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90					90			
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80					80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59					59			
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54					54			
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49					49			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45					45			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42					42			
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39					39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69200
5°	67578
10°	64086
15°	60008
20°	56041
25°	51595
30°	44097
35°	33543
40°	24582
45°	18712
50°	15264
55°	13434
60°	11953
65°	10496
70°	8905
75°	6976
80°	4766
85°	2163



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.4	7.4
10°-20°	596.5	19.1
20°-30°	776.6	24.9
30°-40°	633.8	20.3
40°-50°	383.1	12.3
50°-60°	253.8	8.1
60°-70°	161.5	5.2
70°-80°	71.6	2.3
80°-90°	10.9	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°	1603.4	51.4
0°-40°	2237.2	71.7
0°-60°	2874.1	92.2
0°-90°	3118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3118.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2533	
5°	2465	230
15°	2122	596
25°	1712	777
35°	1006	634
45°	484	383
55°	282	254
65°	162	162
75°	66	72
85°	7	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2533.4
2.5°	2507.3
5°	2464.6
7.5°	2397.2
10°	2310.5
12.5°	2222.4
15°	2122.0
17.5°	2031.1
20°	1927.9
22.5°	1828.8
25°	1711.9
27.5°	1568.8
30°	1398.1
32.5°	1206.8
35°	1005.9
37.5°	835.3
40°	689.4
42.5°	573.8
45°	484.4
47.5°	414.2
50°	359.2
52.5°	316.5
55°	282.1
57.5°	249.1
60°	218.8
62.5°	189.9
65°	162.4
67.5°	136.2
70°	111.5
72.5°	88.1
75°	66.1
77.5°	46.8
80°	30.3
82.5°	16.5
85°	6.9
87.5°	1.4
90°	0.0

(END OF REPORT)