

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: P365593

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365593
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-FEU6B35-8050-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: 3293.1 lumens
Efficiency: N/A
Efficacy: 81.1 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

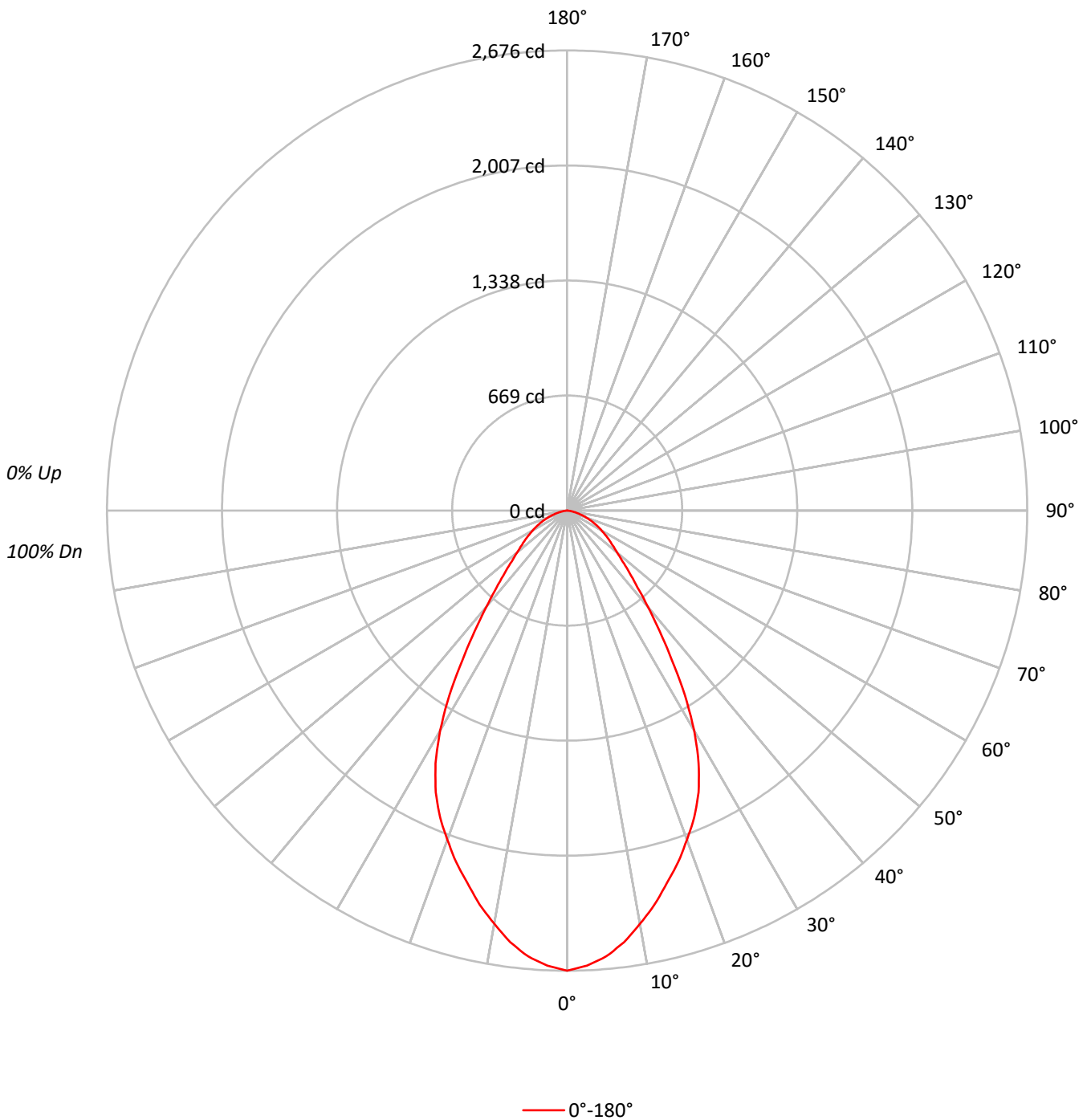
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83	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°	73085
5°	71370
10°	67683
15°	63376
20°	59186
25°	54491
30°	46573
35°	35427
40°	25962
45°	19763
50°	16118
55°	14187
60°	12625
65°	11085
70°	9400
75°	7367
80°	5034
85°	2288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.3	7.4
10°-20°	629.9	19.1
20°-30°	820.2	24.9
30°-40°	669.4	20.3
40°-50°	404.6	12.3
50°-60°	268.0	8.1
60°-70°	170.6	5.2
70°-80°	75.6	2.3
80°-90°	11.5	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°	1693.4	51.4
0°-40°	2362.7	71.7
0°-60°	3035.4	92.2
0°-90°	3293.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3293.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2676	
5°	2603	243
15°	2241	630
25°	1808	820
35°	1062	669
45°	512	405
55°	298	268
65°	172	171
75°	70	76
85°	7	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2675.6
2.5°	2648.0
5°	2602.9
7.5°	2531.7
10°	2440.2
12.5°	2347.1
15°	2241.1
17.5°	2145.1
20°	2036.1
22.5°	1931.5
25°	1808.0
27.5°	1656.8
30°	1476.6
32.5°	1274.6
35°	1062.4
37.5°	882.2
40°	728.1
42.5°	606.0
45°	511.6
47.5°	437.5
50°	379.3
52.5°	334.3
55°	297.9
57.5°	263.1
60°	231.1
62.5°	200.6
65°	171.5
67.5°	143.9
70°	117.7
72.5°	93.0
75°	69.8
77.5°	49.4
80°	32.0
82.5°	17.4
85°	7.3
87.5°	1.5
90°	0.0

(END OF REPORT)