

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: P365628

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3923.0 lumens
Efficiency: N/A
Efficacy: 71.2 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

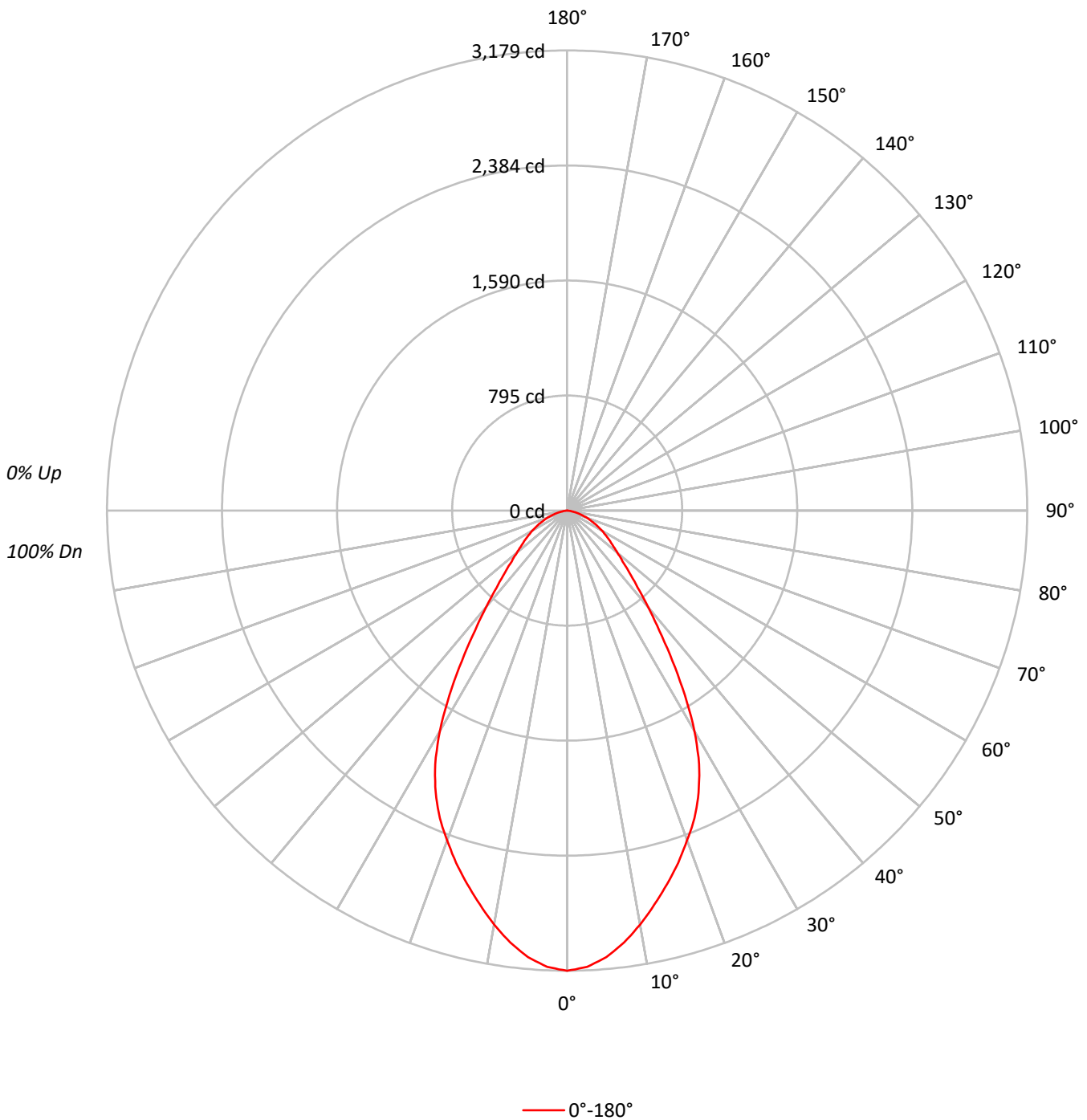
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	97		98	96	94		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	86843
5°	84924
10°	80547
15°	75496
20°	70444
25°	64793
30°	55506
35°	42259
40°	31040
45°	23518
50°	19259
55°	16939
60°	15138
65°	13263
70°	11333
75°	8844
80°	5915
85°	2695



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.4	7.4
10°-20°	749.5	19.1
20°-30°	976.6	24.9
30°-40°	796.3	20.3
40°-50°	482.0	12.3
50°-60°	320.2	8.2
60°-70°	204.7	5.2
70°-80°	90.8	2.3
80°-90°	13.5	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°	2015.5	51.4
0°-40°	2811.8	71.7
0°-60°	3614.0	92.1
0°-90°	3923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3923.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3179	
5°	3097	289
15°	2670	749
25°	2150	977
35°	1267	796
45°	609	482
55°	356	320
65°	205	205
75°	84	91
85°	9	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3179.3
2.5°	3155.4
5°	3097.2
7.5°	3010.0
10°	2904.0
12.5°	2787.7
15°	2669.7
17.5°	2551.7
20°	2423.4
22.5°	2300.3
25°	2149.8
27.5°	1975.3
30°	1759.8
32.5°	1513.6
35°	1267.3
37.5°	1045.0
40°	870.5
42.5°	721.7
45°	608.8
47.5°	519.9
50°	453.2
52.5°	398.5
55°	355.7
57.5°	314.7
60°	277.1
62.5°	241.1
65°	205.2
67.5°	172.7
70°	141.9
72.5°	111.2
75°	83.8
77.5°	59.9
80°	37.6
82.5°	20.5
85°	8.6
87.5°	1.7
90°	0.0

(END OF REPORT)