

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: P365630

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
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-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3716.0 lumens
Efficiency: N/A
Efficacy: 67.4 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

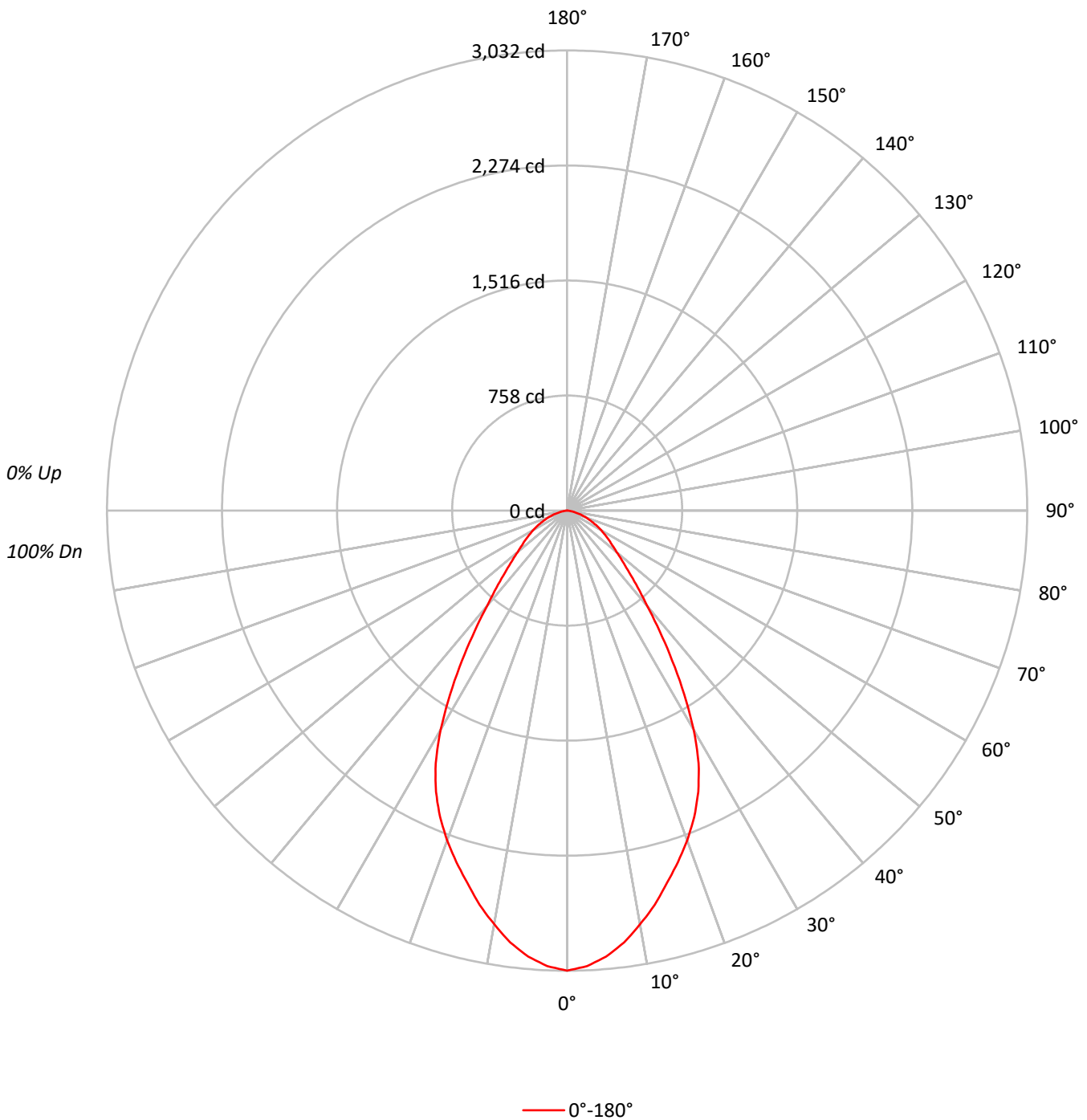
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	68		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82806
5°	80874
10°	76781
15°	71803
20°	67197
25°	61634
30°	52582
35°	40252
40°	29264
45°	22324
50°	18094
55°	15877
60°	14106
65°	12267
70°	10374
75°	8116
80°	5380
85°	2131



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.9	7.4
10°-20°	714.0	19.2
20°-30°	928.4	25.0
30°-40°	756.6	20.4
40°-50°	456.8	12.3
50°-60°	300.0	8.1
60°-70°	189.5	5.1
70°-80°	82.8	2.2
80°-90°	12.1	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°	1918.2	51.6
0°-40°	2674.8	72.0
0°-60°	3431.6	92.3
0°-90°	3716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3716.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3032	
5°	2950	276
15°	2539	714
25°	2045	928
35°	1207	757
45°	578	457
55°	333	300
65°	190	189
75°	77	83
85°	7	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3031.5
2.5°	3004.2
5°	2949.5
7.5°	2870.8
10°	2768.2
12.5°	2662.2
15°	2539.1
17.5°	2428.0
20°	2311.7
22.5°	2186.9
25°	2045.0
27.5°	1875.7
30°	1667.1
32.5°	1434.6
35°	1207.1
37.5°	998.5
40°	820.7
42.5°	687.4
45°	577.9
47.5°	492.4
50°	425.8
52.5°	374.5
55°	333.4
57.5°	294.1
60°	258.2
62.5°	224.0
65°	189.8
67.5°	159.0
70°	129.9
72.5°	102.6
75°	76.9
77.5°	53.0
80°	34.2
82.5°	18.8
85°	6.8
87.5°	1.7
90°	0.0

(END OF REPORT)