

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: P365757

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2090.0 lumens
Efficiency: N/A
Efficacy: 36.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

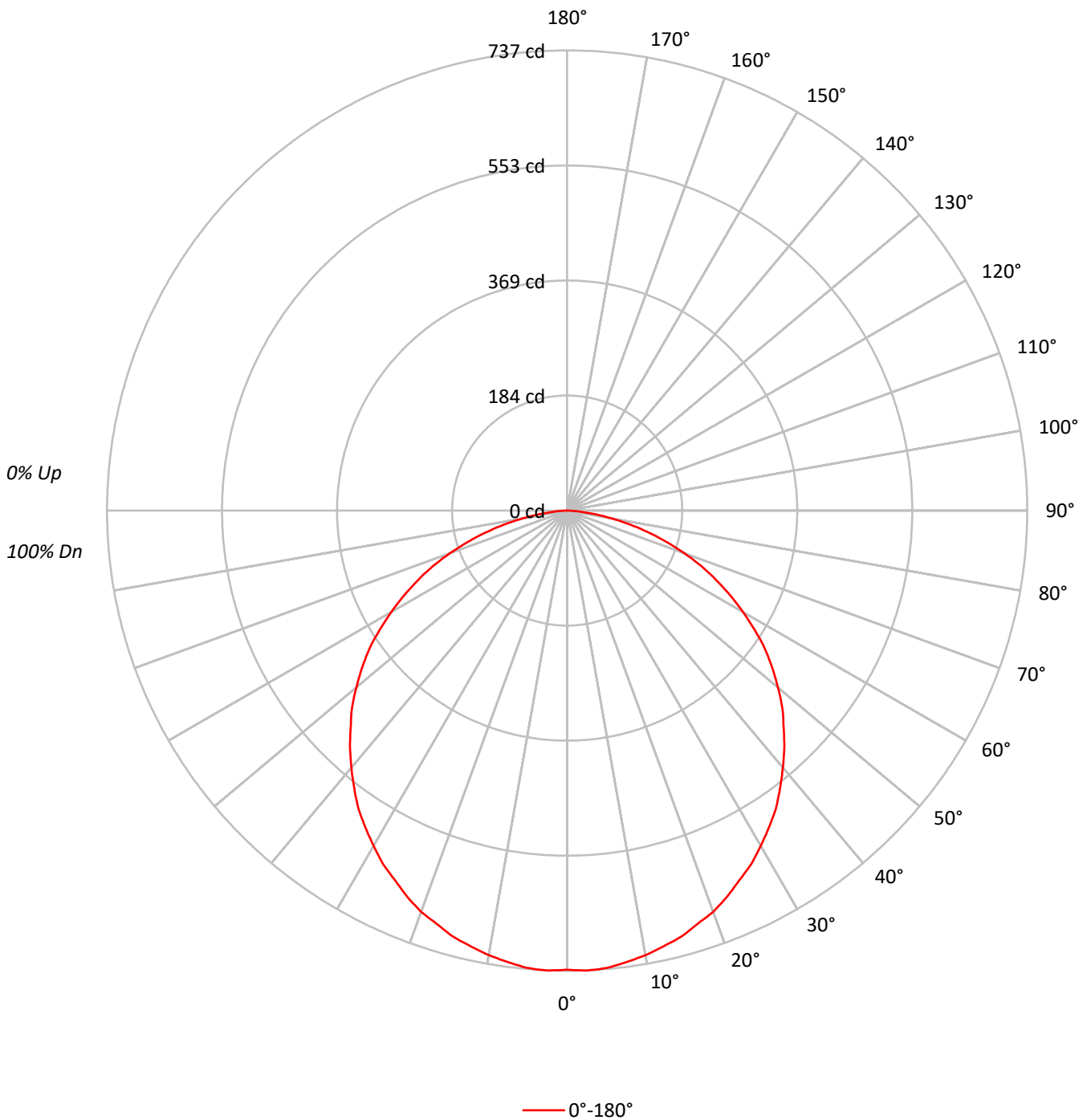
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20085
5°	20162
10°	20054
15°	19979
20°	19877
25°	19678
30°	19555
35°	19437
40°	19169
45°	18936
50°	18732
55°	18440
60°	17777
65°	17044
70°	15957
75°	14132
80°	11341
85°	6456



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	3.3
10°-20°	199.2	9.5
20°-30°	301.5	14.4
30°-40°	363.9	17.4
40°-50°	378.8	18.1
50°-60°	344.6	16.5
60°-70°	260.7	12.5
70°-80°	142.2	6.8
80°-90°	29.4	1.4
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°	570.4	27.3
0°-40°	934.3	44.7
0°-60°	1657.7	79.3
0°-90°	2090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2090.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	735	
5°	735	70
15°	706	199
25°	653	301
35°	583	364
45°	490	379
55°	387	345
65°	264	261
75°	134	142
85°	21	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	735.3
2.5°	737.4
5°	735.3
7.5°	729.2
10°	723.0
12.5°	714.7
15°	706.5
17.5°	694.1
20°	683.8
22.5°	669.4
25°	652.9
27.5°	638.5
30°	620.0
32.5°	601.5
35°	582.9
37.5°	560.3
40°	537.6
42.5°	514.9
45°	490.2
47.5°	467.6
50°	440.8
52.5°	414.0
55°	387.2
57.5°	356.3
60°	325.4
62.5°	294.5
65°	263.7
67.5°	232.8
70°	199.8
72.5°	166.8
75°	133.9
77.5°	103.0
80°	72.1
82.5°	45.3
85°	20.6
87.5°	6.2
90°	0.0

(END OF REPORT)