

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: P365503

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365503
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: FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2344.0 lumens
Efficiency: N/A
Efficacy: 86.8 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

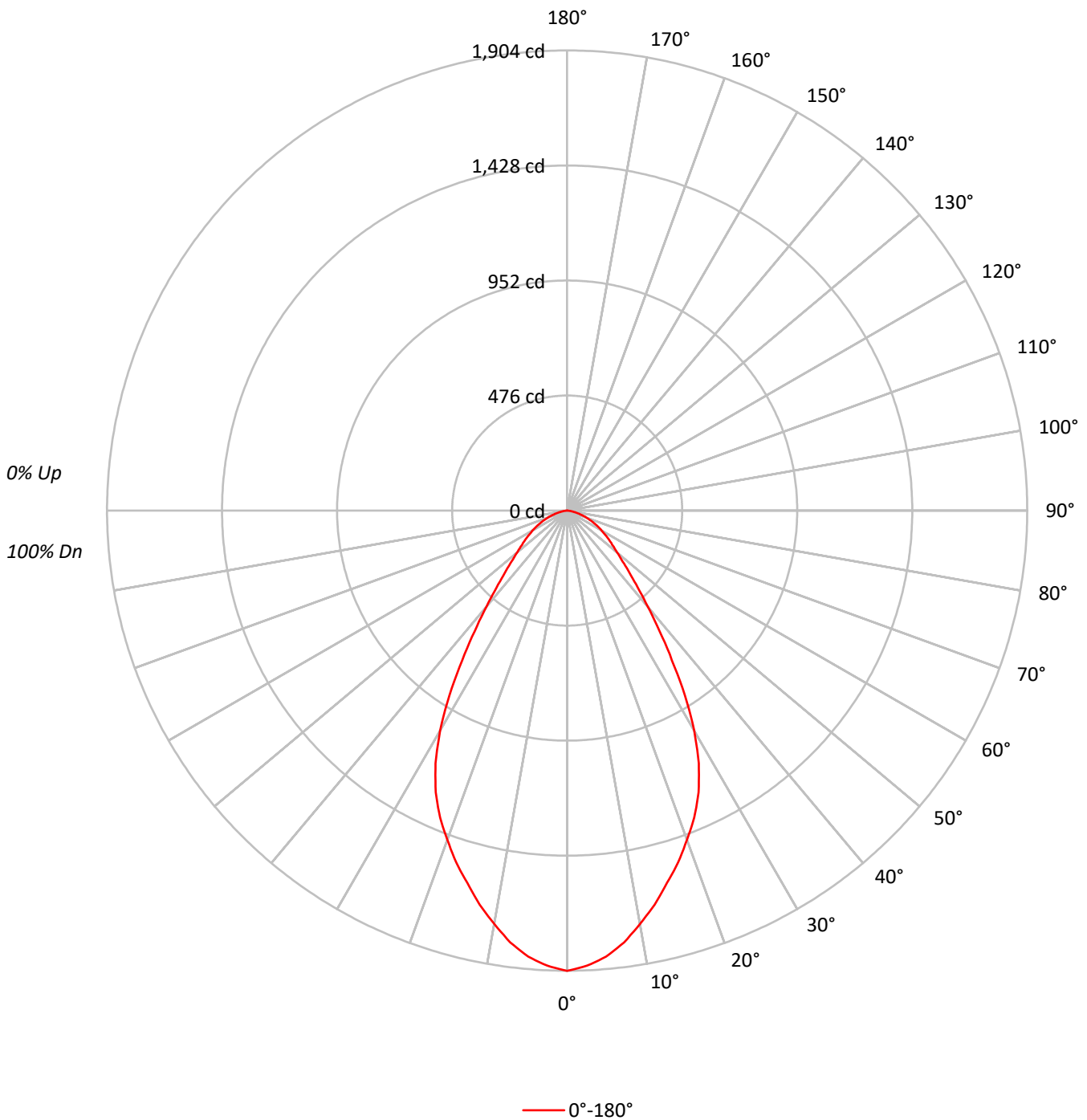
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		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	78	68	62	57	67	61	56		65	60	56		64	59	55	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	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°	52022
5°	50803
10°	48176
15°	45110
20°	42129
25°	38786
30°	33153
35°	25216
40°	18481
45°	14065
50°	11474
55°	10101
60°	8987
65°	7892
70°	6693
75°	5245
80°	3586
85°	1630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.2	7.4
10°-20°	448.4	19.1
20°-30°	583.8	24.9
30°-40°	476.4	20.3
40°-50°	288.0	12.3
50°-60°	190.8	8.1
60°-70°	121.4	5.2
70°-80°	53.8	2.3
80°-90°	8.2	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°	1205.4	51.4
0°-40°	1681.8	71.7
0°-60°	2160.6	92.2
0°-90°	2344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2344.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1904	
5°	1853	173
15°	1595	448
25°	1287	584
35°	756	476
45°	364	288
55°	212	191
65°	122	121
75°	50	54
85°	5	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1904.5
2.5°	1884.9
5°	1852.8
7.5°	1802.1
10°	1736.9
12.5°	1670.7
15°	1595.2
17.5°	1526.9
20°	1449.3
22.5°	1374.9
25°	1286.9
27.5°	1179.3
30°	1051.1
32.5°	907.3
35°	756.2
37.5°	627.9
40°	518.3
42.5°	431.4
45°	364.1
47.5°	311.4
50°	270.0
52.5°	237.9
55°	212.1
57.5°	187.2
60°	164.5
62.5°	142.8
65°	122.1
67.5°	102.4
70°	83.8
72.5°	66.2
75°	49.7
77.5°	35.2
80°	22.8
82.5°	12.4
85°	5.2
87.5°	1.0
90°	0.0

(END OF REPORT)