

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: P365029

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4468.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

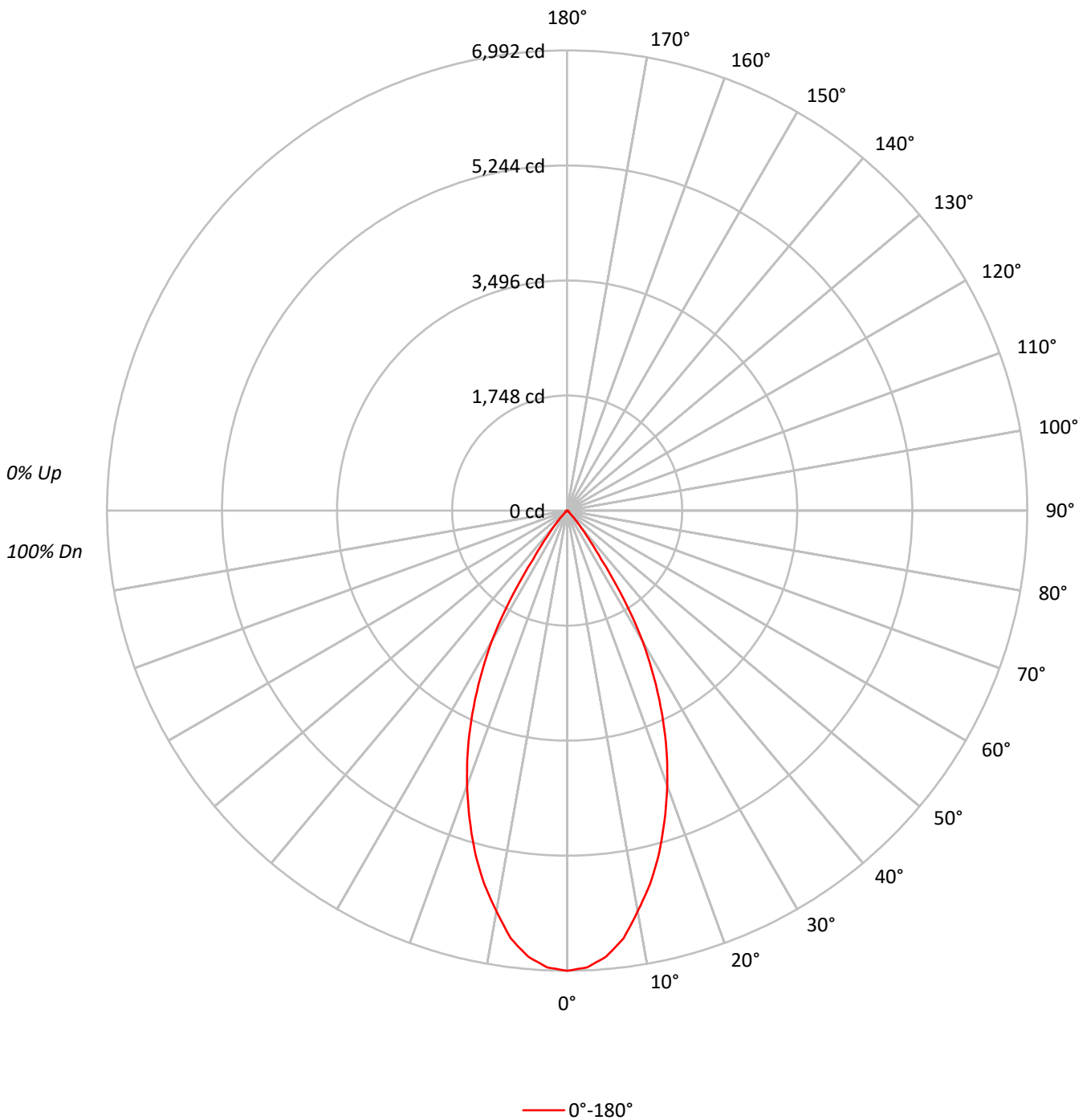
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	500647
5°	489018
10°	449464
15°	400008
20°	338818
25°	269427
30°	189425
35°	79053
40°	27293
45°	7058
50°	3565
55°	3296
60°	3236
65°	3185
70°	3161
75°	4177
80°	4659
85°	7722



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.9	14.1
10°-20°	1494.8	33.5
20°-30°	1542.4	34.5
30°-40°	656.1	14.7
40°-50°	78.7	1.8
50°-60°	23.8	0.5
60°-70°	18.7	0.4
70°-80°	15.0	0.3
80°-90°	8.7	0.2
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°	3667.1	82.1
0°-40°	4323.2	96.8
0°-60°	4425.7	99.1
0°-90°	4468.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4468.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6992	
5°	6804	630
15°	5396	1495
25°	3410	1542
35°	904	656
45°	70	79
55°	26	24
65°	19	19
75°	15	15
85°	9	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6992.1
2.5°	6946.8
5°	6803.7
7.5°	6554.9
10°	6181.9
12.5°	5814.5
15°	5396.2
17.5°	4925.2
20°	4446.6
22.5°	3947.3
25°	3410.3
27.5°	2856.4
30°	2291.1
32.5°	1624.1
35°	904.4
37.5°	520.0
40°	292.0
42.5°	150.7
45°	69.7
47.5°	37.7
50°	32.0
52.5°	28.3
55°	26.4
57.5°	24.5
60°	22.6
62.5°	20.7
65°	18.8
67.5°	17.0
70°	15.1
72.5°	15.1
75°	15.1
77.5°	13.2
80°	11.3
82.5°	11.3
85°	9.4
87.5°	5.7
90°	0.0

(END OF REPORT)