

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: P365550

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2395.9 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

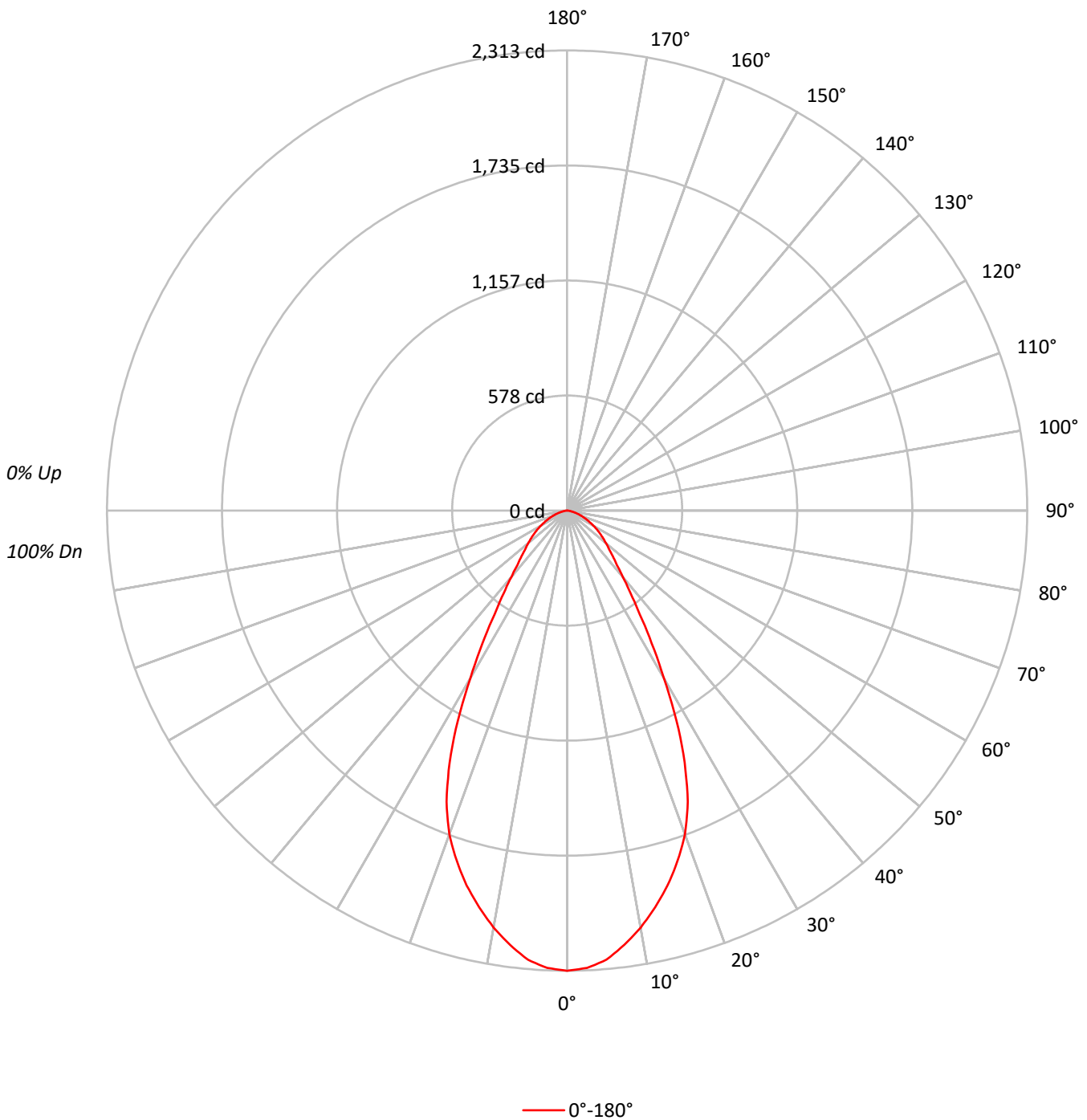
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	106	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	165637
5°	162898
10°	154770
15°	144616
20°	131966
25°	110479
30°	80422
35°	55636
40°	40697
45°	32788
50°	28394
55°	25117
60°	21896
65°	18671
70°	15283
75°	11426
80°	7958
85°	6819



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.7	8.8
10°-20°	544.9	22.7
20°-30°	629.0	26.3
30°-40°	410.2	17.1
40°-50°	254.6	10.6
50°-60°	180.8	7.5
60°-70°	109.9	4.6
70°-80°	45.5	1.9
80°-90°	9.4	0.4
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°	1385.6	57.8
0°-40°	1795.7	74.9
0°-60°	2231.2	93.1
0°-90°	2395.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2395.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2313	
5°	2266	212
15°	1951	545
25°	1398	629
35°	636	410
45°	324	255
55°	201	181
65°	110	110
75°	41	46
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2313.3
2.5°	2300.9
5°	2266.4
7.5°	2201.7
10°	2128.7
12.5°	2041.9
15°	1950.9
17.5°	1846.2
20°	1731.9
22.5°	1584.4
25°	1398.4
27.5°	1190.4
30°	972.7
32.5°	790.8
35°	636.5
37.5°	522.2
40°	435.4
42.5°	370.6
45°	323.8
47.5°	285.2
50°	254.9
52.5°	227.3
55°	201.2
57.5°	177.7
60°	152.9
62.5°	130.9
65°	110.2
67.5°	90.9
70°	73.0
72.5°	56.5
75°	41.3
77.5°	28.9
80°	19.3
82.5°	12.4
85°	8.3
87.5°	4.1
90°	0.0

(END OF REPORT)