

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: METALUX

Report Number: P284427

Luminaire Tested: **22FP3230C**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1808-913-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22FP3230C
Description: 2x2 30W 3000K SE 80CRI

Light Source: -
Ballast/Driver: -

Summary

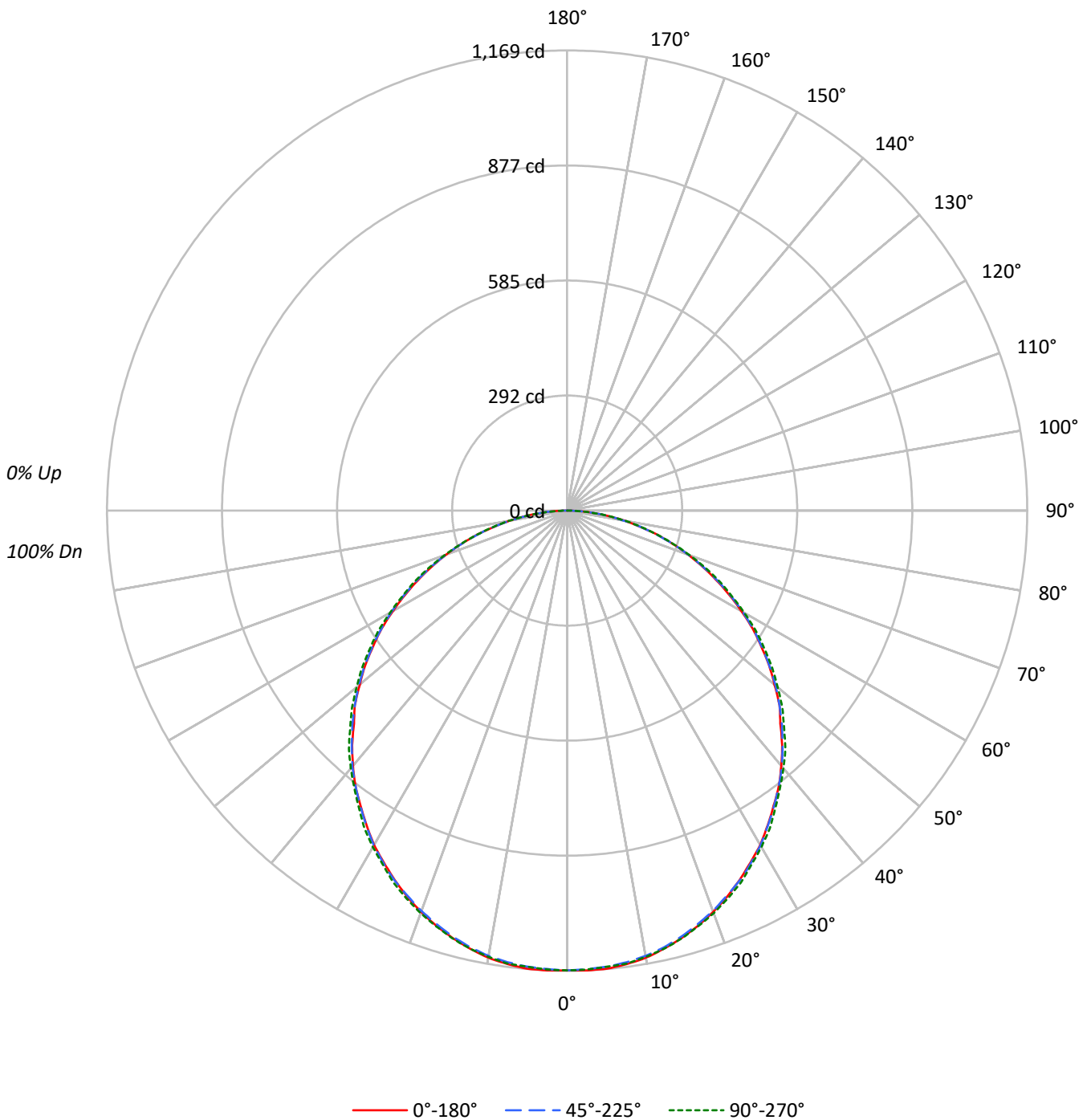
Lumens per Lamp: N/A
Luminaire Lumens: 3359.7 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 30
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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3143	3143	3143
5°	3155	3142	3142
10°	3152	3139	3145
15°	3132	3121	3135
20°	3107	3100	3117
25°	3076	3080	3098
30°	3048	3052	3067
35°	3006	3010	3030
40°	2973	2982	3003
45°	2914	2937	2965
50°	2878	2893	2924
55°	2823	2835	2869
60°	2752	2772	2798
65°	2663	2687	2726
70°	2570	2579	2608
75°	2467	2442	2467
80°	2294	2256	2332
85°	2001	2041	2001



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	3.3
10°-20°	316.6	9.4
20°-30°	478.2	14.2
30°-40°	575.0	17.1
40°-50°	596.4	17.8
50°-60°	541.5	16.1
60°-70°	417.7	12.4
70°-80°	249.5	7.4
80°-90°	74.2	2.2
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°	905.5	27.0
0°-40°	1480.4	44.1
0°-60°	2618.3	77.9
0°-90°	3359.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3359.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	1168	1164	1163	1163	1163	111
15°	1124	1123	1120	1122	1125	317
25°	1036	1036	1037	1038	1043	477
35°	915	919	916	919	922	573
45°	766	771	772	776	779	593
55°	602	604	604	608	612	538
65°	418	421	422	424	428	414
75°	237	235	235	236	237	249
85°	65	66	66	65	65	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1168.1	1168.1	1168.1	1168.1	1168.1
2.5°	1169.4	1169.4	1165.7	1166.9	1166.9
5°	1168.1	1164.5	1163.2	1163.2	1163.2
7.5°	1162.0	1158.4	1157.1	1158.4	1160.8
10°	1153.5	1148.6	1148.6	1148.6	1151.0
12.5°	1140.0	1137.6	1136.3	1135.1	1140.0
15°	1124.1	1122.9	1120.4	1121.7	1125.3
17.5°	1105.8	1103.3	1102.1	1105.8	1107.0
20°	1085.0	1082.5	1082.5	1086.2	1088.6
22.5°	1061.7	1061.7	1059.3	1062.9	1066.6
25°	1036.0	1036.0	1037.3	1038.5	1043.4
27.5°	1007.9	1009.1	1010.3	1012.8	1014.0
30°	981.0	979.8	982.2	984.7	987.1
32.5°	948.0	950.4	949.2	955.3	957.8
35°	914.9	918.6	916.2	918.6	922.3
37.5°	883.1	884.4	883.1	888.0	888.0
40°	846.4	846.4	848.9	852.6	855.0
42.5°	808.5	809.7	809.7	814.6	820.8
45°	765.7	770.6	771.8	775.5	779.2
47.5°	731.5	730.2	731.5	735.1	741.2
50°	687.4	689.9	691.1	694.8	698.4
52.5°	647.1	648.3	648.3	652.0	656.8
55°	601.8	604.3	604.3	607.9	611.6
57.5°	559.0	557.8	560.2	563.9	568.8
60°	511.3	511.3	515.0	517.4	519.9
62.5°	464.8	466.0	468.5	472.1	472.1
65°	418.3	420.8	422.0	424.4	428.1
67.5°	371.8	373.1	374.3	376.7	380.4
70°	326.6	326.6	327.8	330.3	331.5
72.5°	281.3	280.1	280.1	285.0	283.8
75°	237.3	234.9	234.9	236.1	237.3
77.5°	189.6	188.4	190.8	192.0	192.0
80°	148.0	146.8	145.6	146.8	150.5
82.5°	105.2	105.2	104.0	105.2	105.2
85°	64.8	66.1	66.1	64.8	64.8
87.5°	30.6	29.4	29.4	28.1	26.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)