

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: P284422

Luminaire Tested: **22FP2140C**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284422
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: 22FP2140C
Description: 2x2 20W 4000K SE 80CRI

Light Source: -
Ballast/Driver: -

Summary

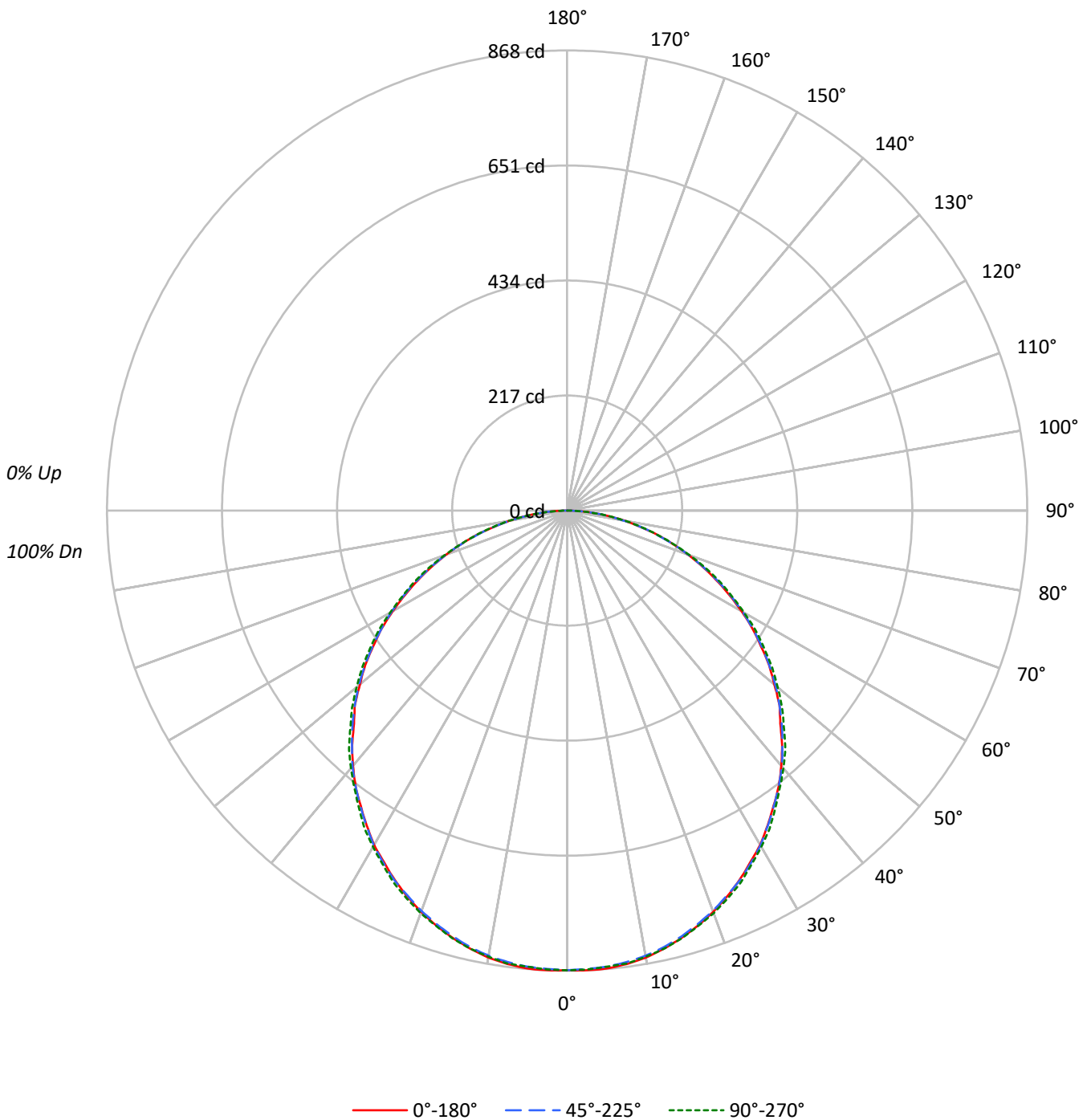
Lumens per Lamp: N/A
Luminaire Lumens: 2493.9 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.7
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	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					100			
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43					43			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33					33			
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2333	2333	2333
5°	2342	2333	2333
10°	2340	2330	2335
15°	2325	2317	2327
20°	2306	2301	2314
25°	2283	2286	2300
30°	2263	2266	2277
35°	2231	2234	2249
40°	2207	2213	2230
45°	2163	2180	2201
50°	2136	2148	2170
55°	2096	2104	2130
60°	2042	2058	2077
65°	1977	1994	2024
70°	1907	1914	1936
75°	1831	1812	1831
80°	1703	1674	1731
85°	1485	1513	1485



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	3.3
10°-20°	235.0	9.4
20°-30°	355.0	14.2
30°-40°	426.8	17.1
40°-50°	442.7	17.8
50°-60°	401.9	16.1
60°-70°	310.1	12.4
70°-80°	185.2	7.4
80°-90°	55.1	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°	672.1	27.0
0°-40°	1098.9	44.1
0°-60°	1943.6	77.9
0°-90°	2493.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2493.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	867	867	867	867	867	
5°	867	864	864	864	864	82
15°	834	834	832	833	835	235
25°	769	769	770	771	774	354
35°	679	682	680	682	685	425
45°	568	572	573	576	578	440
55°	447	448	448	451	454	400
65°	310	312	313	315	318	307
75°	176	174	174	175	176	185
85°	48	49	49	48	48	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	867.1	867.1	867.1	867.1	867.1
2.5°	868.0	868.0	865.3	866.2	866.2
5°	867.1	864.4	863.5	863.5	863.5
7.5°	862.6	859.8	858.9	859.8	861.7
10°	856.2	852.6	852.6	852.6	854.4
12.5°	846.2	844.4	843.5	842.6	846.2
15°	834.4	833.5	831.7	832.6	835.3
17.5°	820.8	819.0	818.1	820.8	821.7
20°	805.4	803.6	803.6	806.3	808.1
22.5°	788.1	788.1	786.3	789.0	791.7
25°	769.0	769.0	770.0	770.9	774.5
27.5°	748.2	749.1	750.0	751.8	752.7
30°	728.2	727.3	729.1	730.9	732.7
32.5°	703.7	705.5	704.6	709.1	710.9
35°	679.2	681.9	680.1	681.9	684.6
37.5°	655.6	656.5	655.6	659.2	659.2
40°	628.3	628.3	630.1	632.9	634.7
42.5°	600.2	601.1	601.1	604.7	609.2
45°	568.4	572.0	572.9	575.7	578.4
47.5°	543.0	542.1	543.0	545.7	550.2
50°	510.3	512.1	513.0	515.7	518.4
52.5°	480.3	481.2	481.2	483.9	487.6
55°	446.7	448.5	448.5	451.3	454.0
57.5°	414.9	414.0	415.8	418.6	422.2
60°	379.5	379.5	382.3	384.1	385.9
62.5°	345.0	345.9	347.8	350.5	350.5
65°	310.5	312.3	313.2	315.1	317.8
67.5°	276.0	276.9	277.8	279.7	282.4
70°	242.4	242.4	243.3	245.2	246.1
72.5°	208.8	207.9	207.9	211.6	210.6
75°	176.1	174.3	174.3	175.2	176.1
77.5°	140.7	139.8	141.6	142.6	142.6
80°	109.9	109.0	108.0	109.0	111.7
82.5°	78.1	78.1	77.2	78.1	78.1
85°	48.1	49.0	49.0	48.1	48.1
87.5°	22.7	21.8	21.8	20.9	20.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)