

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: P#

Luminaire Tested: **22CZ-LD5-44-RDP-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25713)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-LD5-44-RDP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

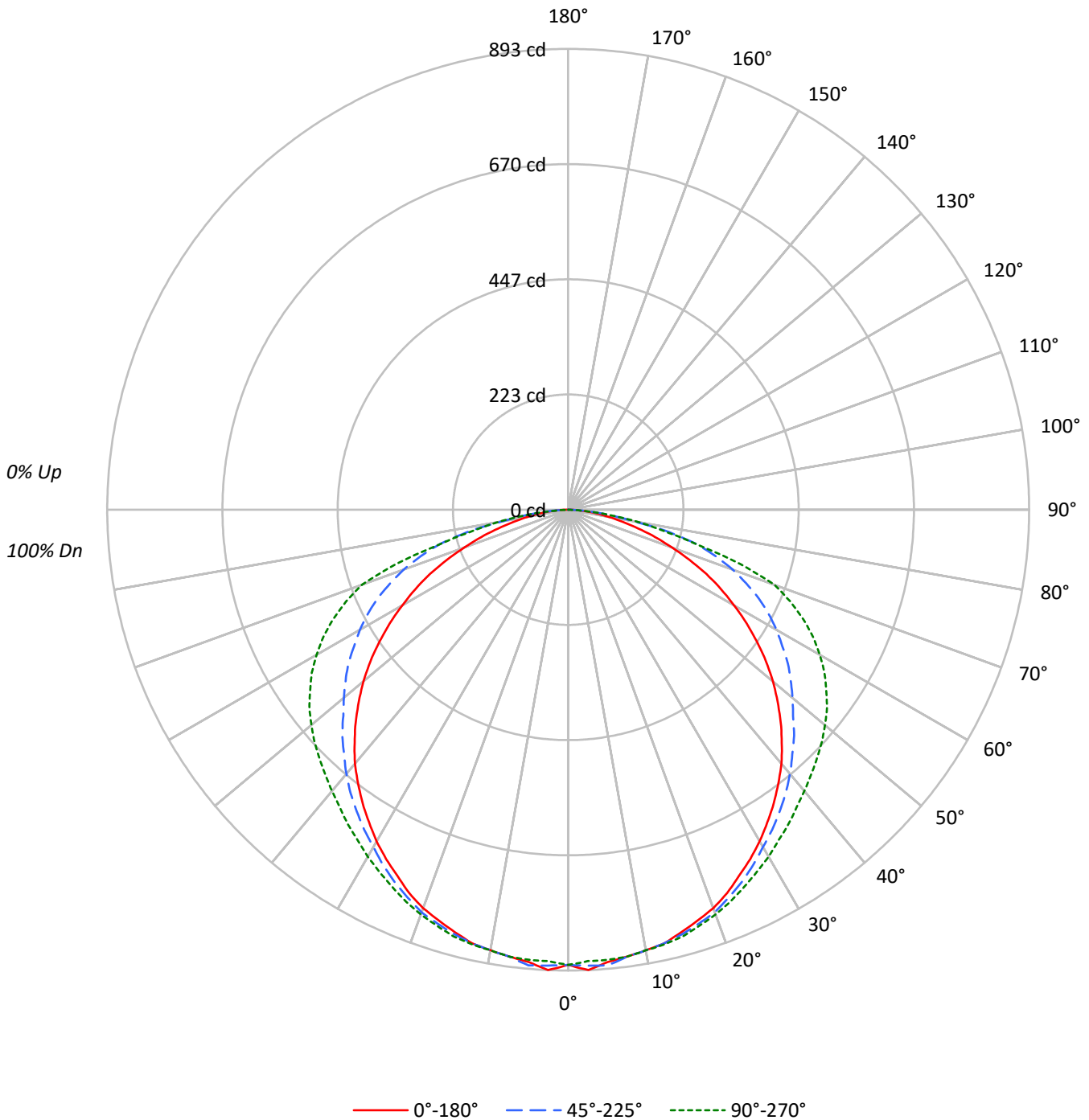
Lumens per Lamp: N/A
Luminaire Lumens: 2777.1 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.1')
CIE Type: Direct

Input Watts (W): 41.8
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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2374	2374	2374
5°	2366	2380	2355
10°	2348	2340	2348
15°	2330	2329	2354
20°	2311	2318	2347
25°	2272	2287	2340
30°	2241	2253	2345
35°	2204	2235	2362
40°	2167	2217	2399
45°	2110	2200	2470
50°	2045	2190	2565
55°	1955	2215	2672
60°	1837	2233	2788
65°	1699	2254	2890
70°	1477	2231	2939
75°	1228	2111	2230
80°	963	1407	1666
85°	678	736	762



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	3.0
10°-20°	240.5	8.7
20°-30°	366.5	13.2
30°-40°	448.5	16.1
40°-50°	482.5	17.4
50°-60°	467.4	16.8
60°-70°	395.9	14.3
70°-80°	239.3	8.6
80°-90°	52.6	1.9
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°	690.8	24.9
0°-40°	1139.3	41.0
0°-60°	2089.2	75.2
0°-90°	2777.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2777.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	882	882	882	882	882	
5°	880	880	886	882	876	84
15°	848	850	852	854	856	239
25°	783	787	796	802	807	361
35°	694	699	714	733	744	434
45°	582	593	619	658	682	449
55°	446	466	520	580	610	399
65°	296	328	408	472	502	291
75°	140	190	257	261	254	151
85°	34	41	43	41	39	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	882.1	882.1	882.1	882.1	882.1
2.5°	892.9	890.7	884.2	879.9	875.6
5°	879.9	879.9	886.4	882.1	875.6
7.5°	873.5	873.5	873.5	884.2	873.5
10°	867.0	869.1	867.0	875.6	867.0
12.5°	860.5	860.5	860.5	862.7	862.7
15°	847.6	849.7	851.9	854.0	856.2
17.5°	834.6	836.8	841.1	843.3	845.4
20°	821.7	823.8	830.3	830.3	834.6
22.5°	804.4	804.4	813.1	815.2	821.7
25°	782.9	787.2	795.8	802.3	806.6
27.5°	763.5	767.8	776.4	785.0	791.5
30°	741.9	746.2	754.8	767.8	776.4
32.5°	718.2	722.5	735.4	750.5	759.1
35°	694.4	698.8	713.9	733.3	744.1
37.5°	668.6	675.0	692.3	713.9	726.8
40°	642.7	649.2	668.6	692.3	711.7
42.5°	612.5	621.1	642.7	675.0	696.6
45°	582.3	593.1	619.0	657.8	681.5
47.5°	550.0	560.7	590.9	640.5	666.4
50°	517.6	530.5	567.2	621.1	649.2
52.5°	483.1	496.0	543.5	601.7	631.9
55°	446.4	465.8	519.8	580.1	610.3
57.5°	409.8	431.3	491.7	556.4	588.8
60°	370.9	396.8	465.8	530.5	562.9
62.5°	334.3	362.3	437.8	502.5	534.9
65°	295.5	327.8	407.6	472.3	502.5
67.5°	254.5	295.5	373.1	435.6	465.8
70°	213.5	261.0	338.6	396.8	424.9
72.5°	176.8	226.5	299.8	349.4	349.4
75°	140.2	189.8	256.6	261.0	254.5
77.5°	107.8	155.3	200.6	183.3	187.6
80°	79.8	118.6	127.2	133.7	138.0
82.5°	53.9	79.8	82.0	86.3	86.3
85°	34.5	41.0	43.1	41.0	38.8
87.5°	15.1	17.3	12.9	8.6	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)