

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-SQP-UNV-L830-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-SQP-UNV-L830-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

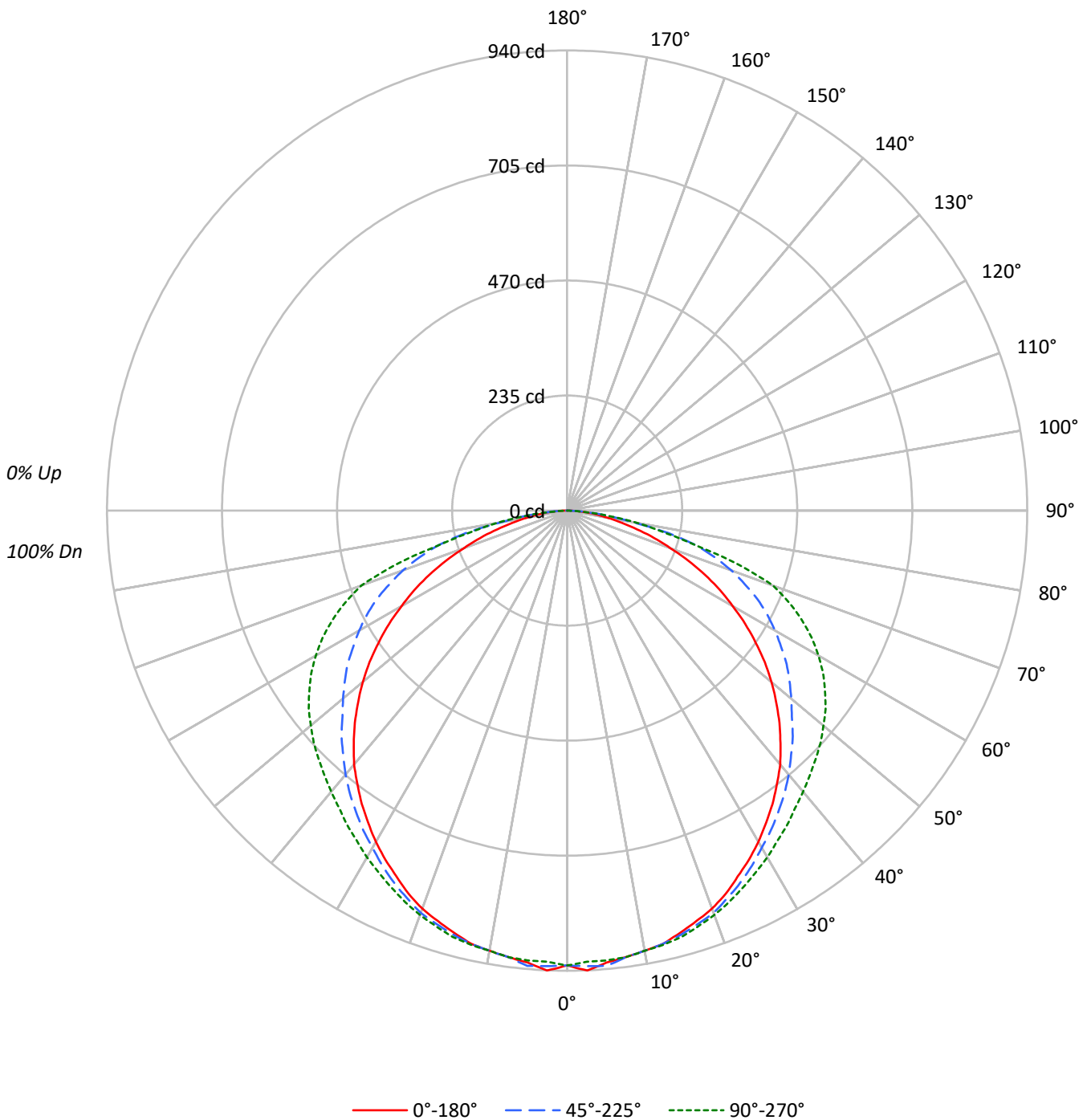
Lumens per Lamp: N/A
Luminaire Lumens: 2925.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.1')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2500	2500	2500
5°	2493	2506	2481
10°	2473	2464	2473
15°	2454	2453	2479
20°	2434	2442	2472
25°	2393	2409	2465
30°	2360	2374	2470
35°	2321	2354	2487
40°	2282	2335	2527
45°	2223	2317	2602
50°	2154	2307	2701
55°	2059	2333	2815
60°	1935	2353	2937
65°	1790	2374	3043
70°	1556	2349	3095
75°	1293	2224	2349
80°	1015	1482	1755
85°	715	775	802



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	3.0
10°-20°	253.3	8.7
20°-30°	386.0	13.2
30°-40°	472.3	16.1
40°-50°	508.2	17.4
50°-60°	492.3	16.8
60°-70°	417.0	14.3
70°-80°	252.1	8.6
80°-90°	55.4	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°	727.6	24.9
0°-40°	1199.9	41.0
0°-60°	2200.5	75.2
0°-90°	2925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2925.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	929	929	929	929	929	
5°	927	927	934	929	922	88
15°	893	895	897	900	902	252
25°	825	829	838	845	850	381
35°	731	736	752	772	784	457
45°	613	625	652	693	718	473
55°	470	491	548	611	643	420
65°	311	345	429	498	529	306
75°	148	200	270	275	268	159
85°	36	43	45	43	41	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	929.1	929.1	929.1	929.1	929.1
2.5°	940.4	938.1	931.4	926.8	922.3
5°	926.8	926.8	933.6	929.1	922.3
7.5°	920.0	920.0	920.0	931.4	920.0
10°	913.1	915.4	913.1	922.3	913.1
12.5°	906.4	906.4	906.4	908.6	908.6
15°	892.7	895.0	897.3	899.6	901.8
17.5°	879.1	881.4	885.9	888.2	890.4
20°	865.4	867.7	874.6	874.6	879.1
22.5°	847.3	847.3	856.3	858.6	865.4
25°	824.6	829.2	838.2	845.0	849.6
27.5°	804.2	808.6	817.8	826.9	833.6
30°	781.4	785.9	795.1	808.6	817.8
32.5°	756.4	760.9	774.6	790.5	799.6
35°	731.4	736.0	751.9	772.3	783.7
37.5°	704.1	711.0	729.1	751.9	765.5
40°	677.0	683.7	704.1	729.1	749.6
42.5°	645.1	654.2	677.0	711.0	733.7
45°	613.3	624.7	651.9	692.8	717.8
47.5°	579.2	590.6	622.4	674.7	702.0
50°	545.2	558.8	597.5	654.2	683.7
52.5°	508.8	522.5	572.5	633.7	665.6
55°	470.2	490.7	547.5	611.0	642.9
57.5°	431.6	454.3	517.9	586.1	620.2
60°	390.7	418.0	490.7	558.8	592.9
62.5°	352.1	381.6	461.1	529.2	563.4
65°	311.2	345.2	429.3	497.5	529.2
67.5°	268.1	311.2	393.0	458.8	490.7
70°	224.9	274.8	356.6	418.0	447.4
72.5°	186.3	238.5	315.8	368.0	368.0
75°	147.6	199.9	270.3	274.8	268.1
77.5°	113.6	163.6	211.3	193.0	197.6
80°	84.1	124.9	134.0	140.8	145.4
82.5°	56.8	84.1	86.4	90.8	90.8
85°	36.4	43.1	45.4	43.1	40.8
87.5°	15.9	18.1	13.6	9.1	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)