

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-LD5-44SE-RDP-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-LD5-44SE-RDP-UNV-L830-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2451.0 lumens
Efficiency: N/A
Efficacy: 61.3 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

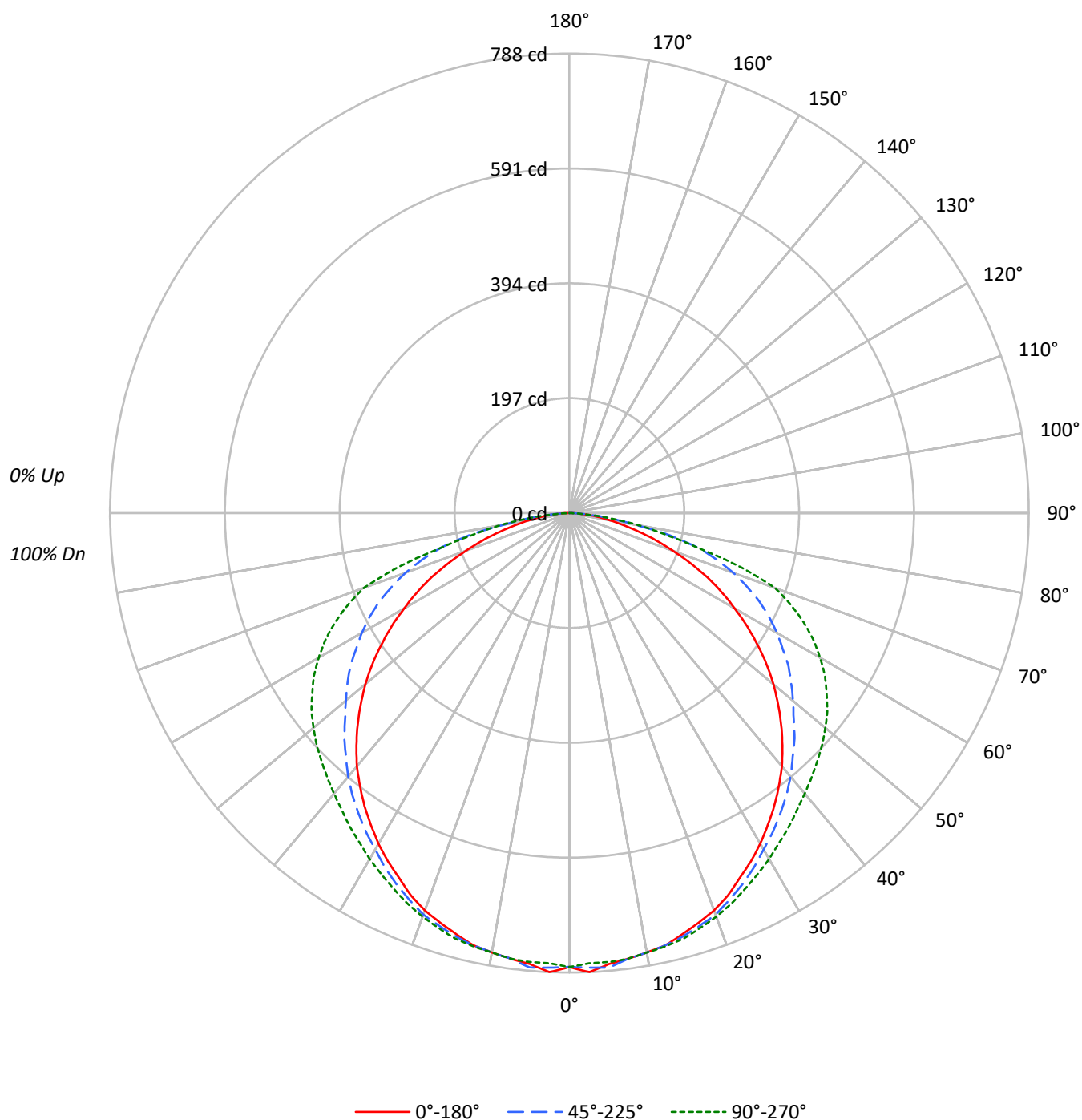
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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°	2095	2095	2095
5°	2089	2100	2078
10°	2072	2065	2072
15°	2056	2055	2077
20°	2040	2046	2072
25°	2005	2019	2065
30°	1977	1989	2069
35°	1945	1972	2084
40°	1912	1956	2118
45°	1863	1941	2180
50°	1805	1933	2264
55°	1725	1955	2358
60°	1622	1972	2461
65°	1500	1989	2550
70°	1304	1969	2594
75°	1084	1863	1968
80°	850	1242	1471
85°	599	651	674



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	3.0
10°-20°	212.3	8.7
20°-30°	323.5	13.2
30°-40°	395.8	16.1
40°-50°	425.9	17.4
50°-60°	412.5	16.8
60°-70°	349.5	14.3
70°-80°	211.3	8.6
80°-90°	46.4	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°	609.6	24.9
0°-40°	1005.4	41.0
0°-60°	1843.8	75.2
0°-90°	2451.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2451.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	778	778	778	778	778	
5°	777	777	782	778	773	74
15°	748	750	752	754	756	211
25°	691	695	702	708	712	319
35°	613	617	630	647	657	383
45°	514	523	546	580	601	396
55°	394	411	459	512	539	352
65°	261	289	360	417	444	257
75°	124	168	226	230	225	133
85°	30	36	38	36	34	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	778.5	778.5	778.5	778.5	778.5
2.5°	788.0	786.1	780.4	776.6	772.8
5°	776.6	776.6	782.3	778.5	772.8
7.5°	770.9	770.9	770.9	780.4	770.9
10°	765.1	767.0	765.1	772.8	765.1
12.5°	759.4	759.4	759.4	761.3	761.3
15°	748.0	749.9	751.8	753.7	755.6
17.5°	736.6	738.5	742.3	744.2	746.1
20°	725.2	727.1	732.8	732.8	736.6
22.5°	709.9	709.9	717.6	719.5	725.2
25°	690.9	694.7	702.3	708.0	711.8
27.5°	673.8	677.6	685.2	692.8	698.5
30°	654.7	658.5	666.2	677.6	685.2
32.5°	633.8	637.6	649.0	662.4	670.0
35°	612.9	616.7	630.0	647.1	656.6
37.5°	590.0	595.7	611.0	630.0	641.4
40°	567.2	572.9	590.0	611.0	628.1
42.5°	540.6	548.2	567.2	595.7	614.8
45°	513.9	523.4	546.2	580.5	601.4
47.5°	485.4	494.9	521.6	565.3	588.1
50°	456.9	468.3	500.6	548.2	572.9
52.5°	426.4	437.8	479.7	531.0	557.7
55°	394.0	411.2	458.8	512.0	538.6
57.5°	361.7	380.7	434.0	491.1	519.6
60°	327.4	350.3	411.2	468.3	496.8
62.5°	295.1	319.8	386.4	443.5	472.1
65°	260.8	289.3	359.8	416.9	443.5
67.5°	224.6	260.8	329.3	384.5	411.2
70°	188.5	230.3	298.9	350.3	375.0
72.5°	156.1	199.9	264.6	308.4	308.4
75°	123.7	167.5	226.5	230.3	224.6
77.5°	95.2	137.1	177.0	161.8	165.6
80°	70.4	104.7	112.3	118.0	121.8
82.5°	47.6	70.4	72.3	76.1	76.1
85°	30.5	36.2	38.1	36.2	34.3
87.5°	13.3	15.2	11.4	7.6	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)