

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-LD5-34-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-LD5-34-RDP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2190.7 lumens
Efficiency: N/A
Efficacy: 74.5 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

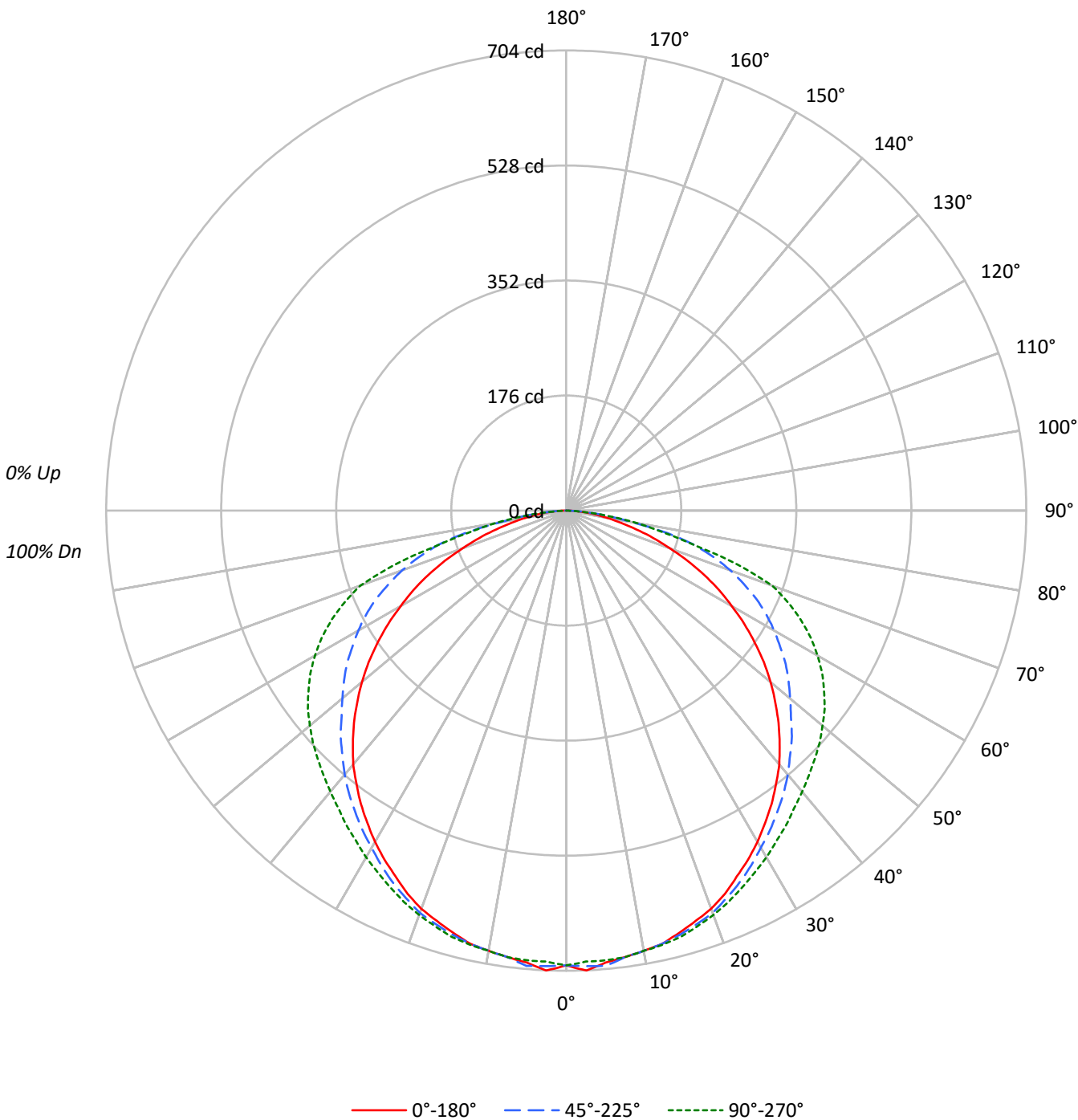
Input Watts (W): 29.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT





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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	1872	1872	1872
5°	1867	1877	1858
10°	1852	1846	1852
15°	1838	1837	1857
20°	1823	1829	1852
25°	1792	1805	1846
30°	1767	1778	1850
35°	1739	1763	1863
40°	1709	1749	1893
45°	1665	1736	1948
50°	1613	1727	2023
55°	1542	1747	2108
60°	1449	1762	2199
65°	1341	1778	2280
70°	1165	1760	2319
75°	969	1666	1759
80°	759	1111	1315
85°	534	581	601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	3.0
10°-20°	189.7	8.7
20°-30°	289.1	13.2
30°-40°	353.8	16.1
40°-50°	380.7	17.4
50°-60°	368.7	16.8
60°-70°	312.3	14.3
70°-80°	188.8	8.6
80°-90°	41.5	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°	544.9	24.9
0°-40°	898.7	41.0
0°-60°	1648.1	75.2
0°-90°	2190.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2190.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	696	696	696	696	696	
5°	694	694	699	696	691	66
15°	669	670	672	674	675	189
25°	618	621	628	633	636	285
35°	548	551	563	578	587	343
45°	459	468	488	519	538	354
55°	352	368	410	458	482	315
65°	233	259	322	373	396	230
75°	111	150	202	206	201	119
85°	27	32	34	32	31	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	695.8	695.8	695.8	695.8	695.8
2.5°	704.3	702.6	697.5	694.1	690.7
5°	694.1	694.1	699.2	695.8	690.7
7.5°	689.0	689.0	689.0	697.5	689.0
10°	683.9	685.6	683.9	690.7	683.9
12.5°	678.8	678.8	678.8	680.5	680.5
15°	668.6	670.3	672.0	673.7	675.4
17.5°	658.4	660.1	663.5	665.2	666.9
20°	648.2	649.9	655.0	655.0	658.4
22.5°	634.6	634.6	641.4	643.1	648.2
25°	617.6	621.0	627.8	632.9	636.3
27.5°	602.3	605.7	612.5	619.3	624.4
30°	585.2	588.7	595.5	605.7	612.5
32.5°	566.5	569.9	580.1	592.1	598.9
35°	547.8	551.2	563.1	578.4	587.0
37.5°	527.4	532.5	546.1	563.1	573.3
40°	507.0	512.1	527.4	546.1	561.4
42.5°	483.2	490.0	507.0	532.5	549.5
45°	459.4	467.9	488.3	518.9	537.6
47.5°	433.8	442.3	466.2	505.3	525.7
50°	408.3	418.5	447.4	490.0	512.1
52.5°	381.1	391.3	428.7	474.7	498.5
55°	352.2	367.5	410.0	457.7	481.5
57.5°	323.2	340.3	387.9	438.9	464.5
60°	292.6	313.0	367.5	418.5	444.0
62.5°	263.7	285.8	345.4	396.4	421.9
65°	233.1	258.6	321.5	372.6	396.4
67.5°	200.8	233.1	294.3	343.7	367.5
70°	168.4	205.9	267.1	313.0	335.2
72.5°	139.5	178.6	236.5	275.6	275.6
75°	110.6	149.7	202.5	205.9	200.8
77.5°	85.1	122.5	158.2	144.6	148.0
80°	62.9	93.6	100.4	105.5	108.9
82.5°	42.5	62.9	64.6	68.1	68.1
85°	27.2	32.3	34.0	32.3	30.6
87.5°	11.9	13.6	10.2	6.8	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)