

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-SQP-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-SQP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2580.2 lumens
Efficiency: N/A
Efficacy: 87.8 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

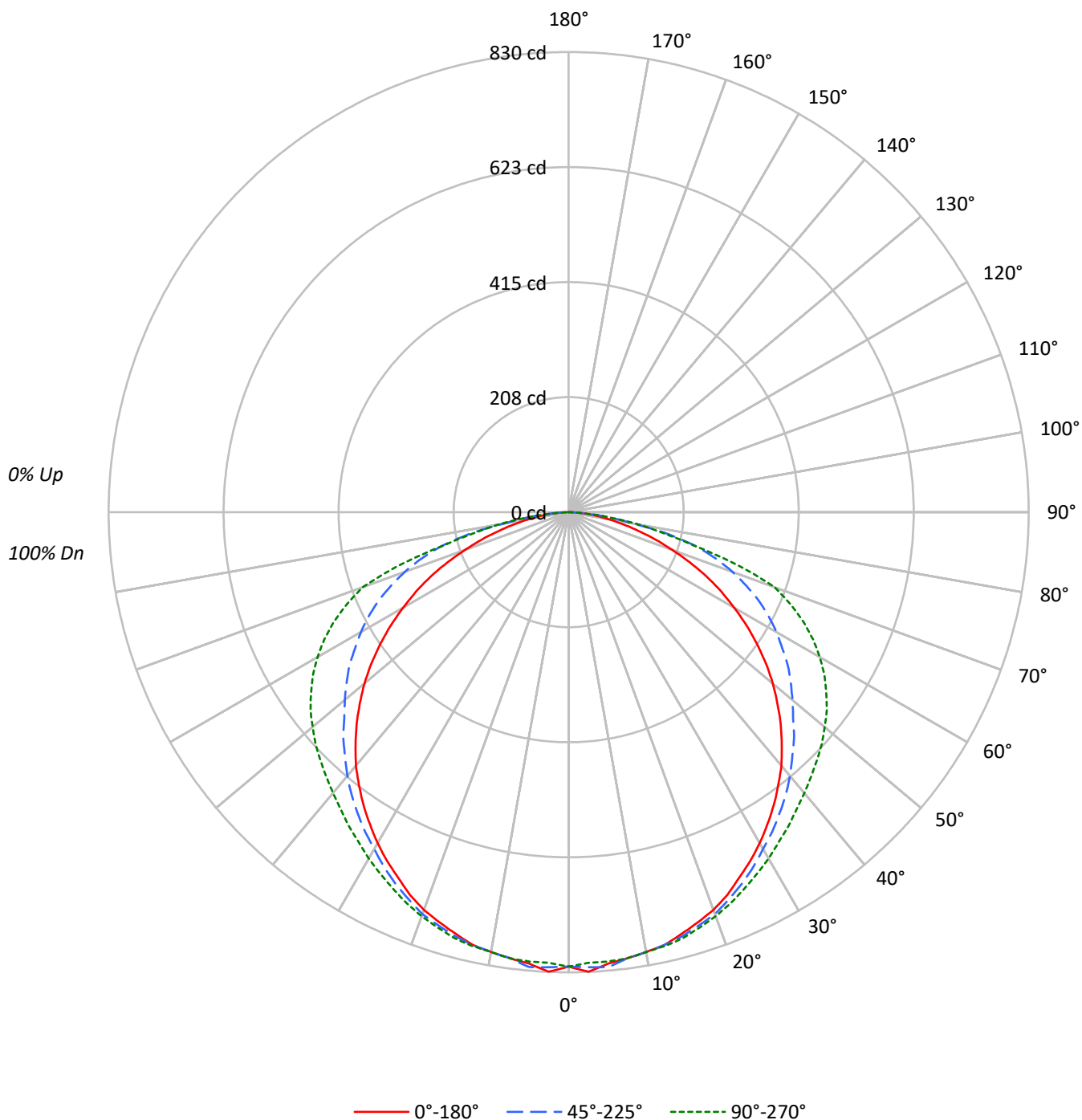
Input Watts (W): 29.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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°	2205	2205	2205
5°	2199	2211	2188
10°	2182	2174	2182
15°	2165	2164	2187
20°	2147	2154	2181
25°	2111	2125	2174
30°	2082	2094	2179
35°	2048	2076	2194
40°	2013	2060	2229
45°	1961	2044	2295
50°	1900	2035	2383
55°	1816	2058	2483
60°	1707	2075	2590
65°	1579	2094	2685
70°	1372	2073	2730
75°	1141	1962	2071
80°	895	1307	1548
85°	631	685	709



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	3.0
10°-20°	223.5	8.7
20°-30°	340.5	13.2
30°-40°	416.7	16.1
40°-50°	448.3	17.4
50°-60°	434.3	16.8
60°-70°	367.9	14.3
70°-80°	222.4	8.6
80°-90°	48.9	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°	641.8	24.9
0°-40°	1058.5	41.0
0°-60°	1941.1	75.2
0°-90°	2580.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2580.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	818	818	824	820	814	78
15°	788	790	792	794	796	222
25°	727	731	739	745	749	336
35°	645	649	663	681	691	404
45°	541	551	575	611	633	417
55°	415	433	483	539	567	371
65°	274	305	379	439	467	270
75°	130	176	238	242	236	140
85°	32	38	40	38	36	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	819.5	819.5	819.5	819.5	819.5
2.5°	829.6	827.6	821.6	817.5	813.5
5°	817.5	817.5	823.6	819.5	813.5
7.5°	811.5	811.5	811.5	821.6	811.5
10°	805.5	807.5	805.5	813.5	805.5
12.5°	799.5	799.5	799.5	801.5	801.5
15°	787.5	789.5	791.5	793.5	795.5
17.5°	775.5	777.5	781.5	783.5	785.5
20°	763.4	765.4	771.5	771.5	775.5
22.5°	747.4	747.4	755.4	757.4	763.4
25°	727.4	731.4	739.4	745.4	749.4
27.5°	709.3	713.3	721.4	729.4	735.4
30°	689.3	693.3	701.3	713.3	721.4
32.5°	667.3	671.3	683.3	697.3	705.3
35°	645.2	649.2	663.3	681.3	691.3
37.5°	621.2	627.2	643.2	663.3	675.3
40°	597.1	603.1	621.2	643.2	661.3
42.5°	569.1	577.1	597.1	627.2	647.2
45°	541.0	551.0	575.1	611.2	633.2
47.5°	511.0	521.0	549.0	595.1	619.2
50°	480.9	492.9	527.0	577.1	603.1
52.5°	448.8	460.9	505.0	559.1	587.1
55°	414.8	432.8	482.9	539.0	567.1
57.5°	380.7	400.8	456.9	517.0	547.0
60°	344.7	368.7	432.8	492.9	523.0
62.5°	310.6	336.6	406.8	466.9	496.9
65°	274.5	304.6	378.7	438.8	466.9
67.5°	236.4	274.5	346.7	404.8	432.8
70°	198.4	242.5	314.6	368.7	394.7
72.5°	164.3	210.4	278.5	324.6	324.6
75°	130.2	176.3	238.5	242.5	236.4
77.5°	100.2	144.3	186.4	170.3	174.3
80°	74.1	110.2	118.2	124.2	128.2
82.5°	50.1	74.1	76.1	80.2	80.2
85°	32.1	38.1	40.1	38.1	36.1
87.5°	14.0	16.0	12.0	8.0	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)