

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-LD5-29-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-LD5-29-SQP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2139.0 lumens
Efficiency: N/A
Efficacy: 91.0 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

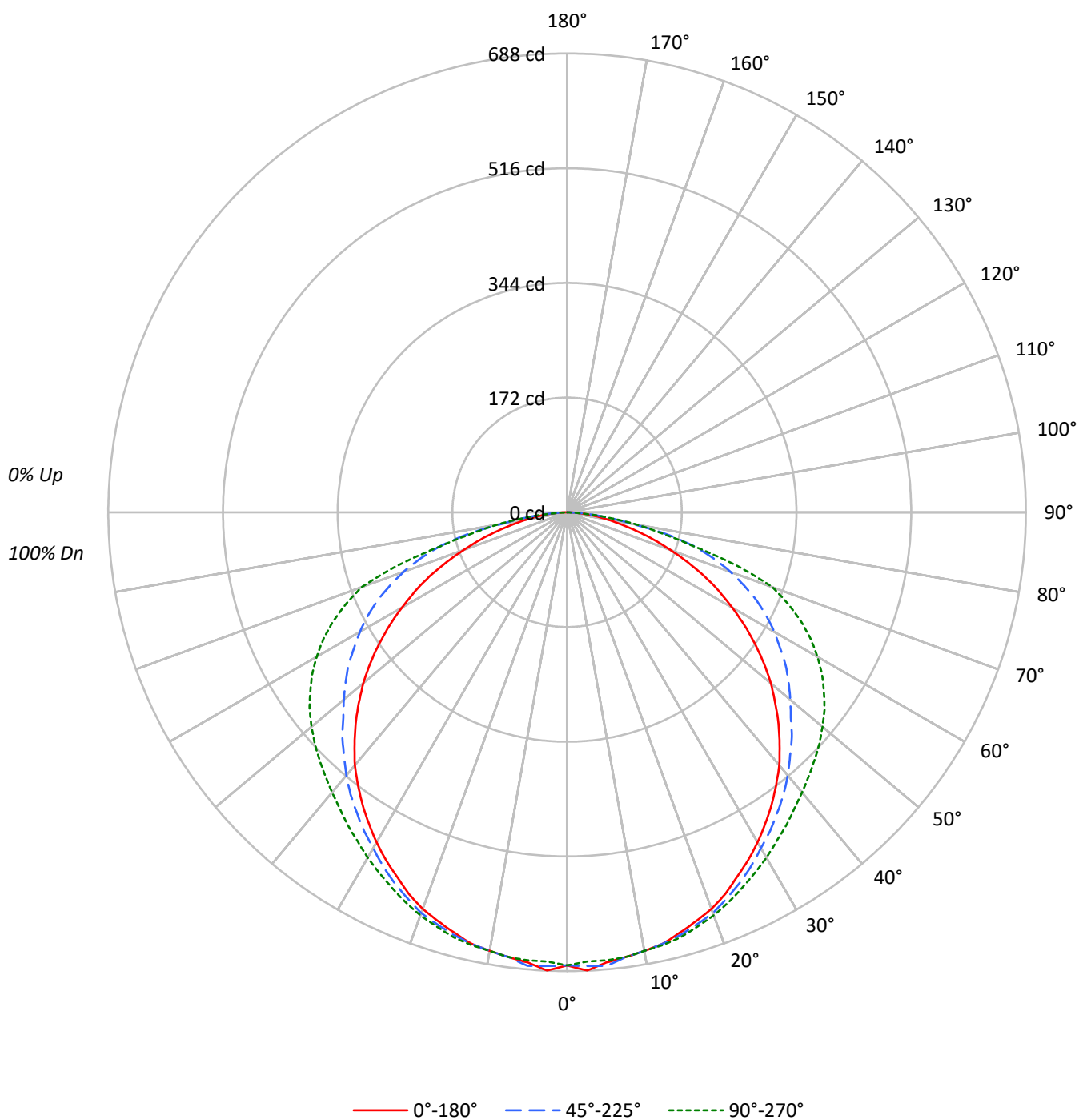
Input Watts (W): 23.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	108	103	99	95	105	101	97	93		97	93	90		93	90	87		89	87	85
2	98	89	82	76	95	87	81	75		84	78	73		80	76	71		77	73	70
3	89	78	69	62	86	76	68	62		73	66	61		70	64	59		68	63	58
4	81	68	59	52	79	67	58	52		64	57	51		62	56	50		60	54	50
5	74	61	52	45	72	60	51	44		58	50	44		56	49	43		54	48	43
6	68	55	45	39	66	54	45	39		52	44	38		50	43	38		48	42	37
7	63	49	40	34	62	49	40	34		47	39	34		45	39	33		44	38	33
8	59	45	36	30	57	44	36	30		43	35	30		42	35	30		40	34	29
9	55	41	33	27	54	41	33	27		39	32	27		38	32	27		37	31	27
10	51	38	30	24	50	37	30	24		36	29	24		35	29	24		35	28	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1828	1828	1828
5°	1823	1833	1814
10°	1809	1802	1809
15°	1795	1794	1813
20°	1780	1785	1808
25°	1750	1762	1803
30°	1726	1736	1806
35°	1698	1721	1819
40°	1669	1708	1848
45°	1626	1694	1902
50°	1575	1687	1975
55°	1506	1706	2059
60°	1415	1720	2148
65°	1309	1736	2226
70°	1138	1718	2263
75°	946	1626	1717
80°	743	1084	1283
85°	523	567	587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	3.0
10°-20°	185.3	8.7
20°-30°	282.3	13.2
30°-40°	345.4	16.1
40°-50°	371.7	17.4
50°-60°	360.0	16.8
60°-70°	305.0	14.3
70°-80°	184.4	8.6
80°-90°	40.5	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°	532.1	24.9
0°-40°	877.5	41.0
0°-60°	1609.2	75.2
0°-90°	2139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2139.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	679	679	679	679	679	
5°	678	678	683	679	674	64
15°	653	654	656	658	660	184
25°	603	606	613	618	621	278
35°	535	538	550	565	573	335
45°	448	457	477	507	525	346
55°	344	359	400	447	470	307
65°	228	252	314	364	387	224
75°	108	146	198	201	196	116
85°	27	32	33	32	30	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	679.4	679.4	679.4	679.4	679.4
2.5°	687.7	686.0	681.1	677.7	674.4
5°	677.7	677.7	682.7	679.4	674.4
7.5°	672.8	672.8	672.8	681.1	672.8
10°	667.8	669.4	667.8	674.4	667.8
12.5°	662.8	662.8	662.8	664.5	664.5
15°	652.8	654.5	656.1	657.8	659.5
17.5°	642.9	644.5	647.8	649.5	651.2
20°	632.9	634.6	639.5	639.5	642.9
22.5°	619.6	619.6	626.2	627.9	632.9
25°	603.0	606.3	613.0	617.9	621.3
27.5°	588.0	591.4	598.0	604.7	609.6
30°	571.4	574.8	581.4	591.4	598.0
32.5°	553.2	556.5	566.4	578.1	584.7
35°	534.9	538.2	549.8	564.8	573.1
37.5°	515.0	519.9	533.2	549.8	559.8
40°	495.0	500.0	515.0	533.2	548.2
42.5°	471.8	478.4	495.0	519.9	536.5
45°	448.5	456.8	476.7	506.6	524.9
47.5°	423.6	431.9	455.2	493.4	513.3
50°	398.7	408.6	436.9	478.4	500.0
52.5°	372.1	382.1	418.6	463.5	486.7
55°	343.9	358.8	400.3	446.8	470.1
57.5°	315.6	332.2	378.7	428.6	453.5
60°	285.7	305.6	358.8	408.6	433.6
62.5°	257.5	279.1	337.2	387.0	412.0
65°	227.6	252.5	314.0	363.8	387.0
67.5°	196.0	227.6	287.4	335.5	358.8
70°	164.5	201.0	260.8	305.6	327.2
72.5°	136.2	174.4	230.9	269.1	269.1
75°	108.0	146.2	197.7	201.0	196.0
77.5°	83.1	119.6	154.5	141.2	144.5
80°	61.5	91.4	98.0	103.0	106.3
82.5°	41.5	61.5	63.1	66.4	66.4
85°	26.6	31.6	33.2	31.6	29.9
87.5°	11.6	13.3	10.0	6.6	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)