

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-L850-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-L850-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2846.9 lumens
Efficiency: N/A
Efficacy: 96.8 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

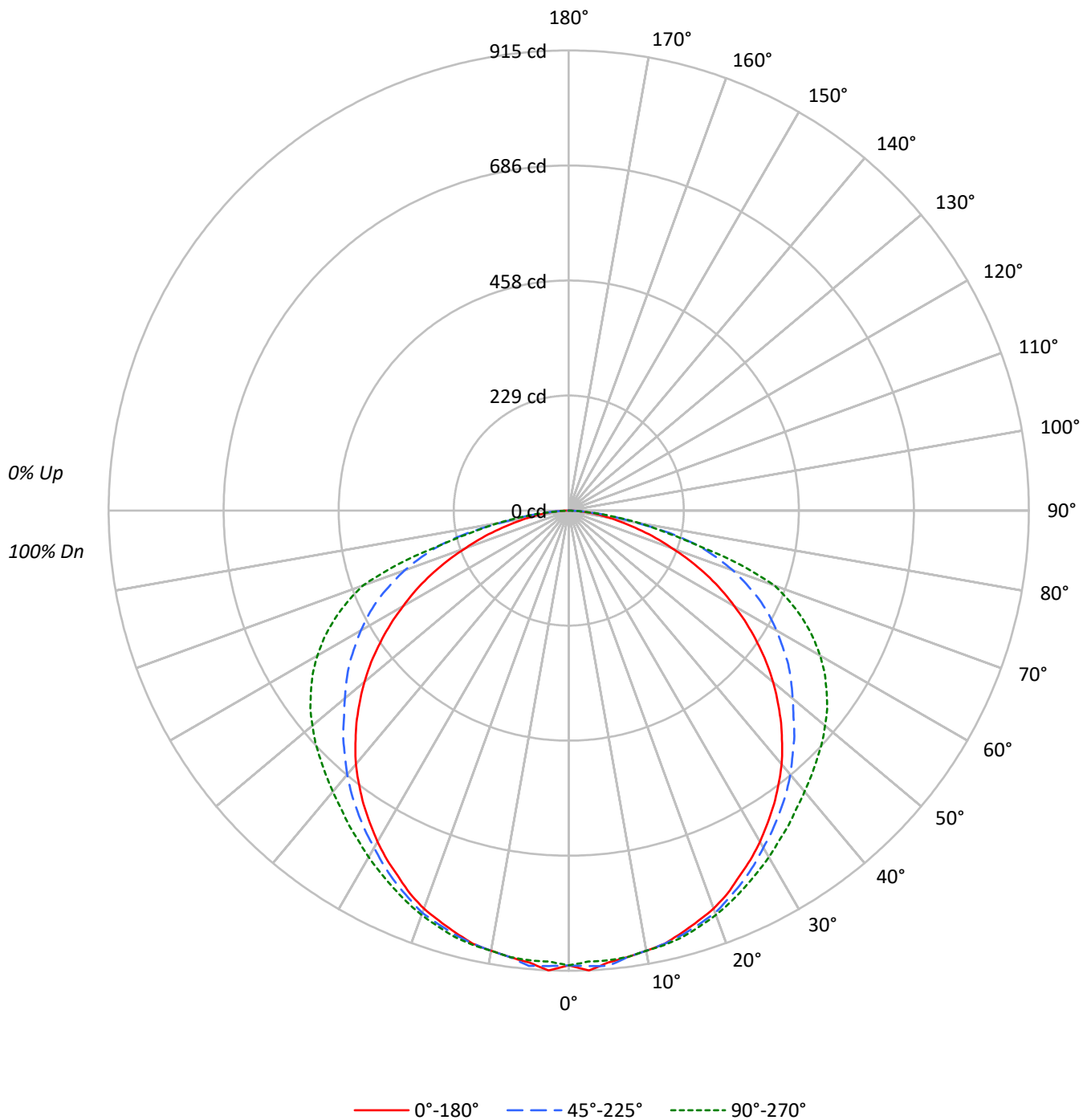
Input Watts (W): 29.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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								
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°	2433	2433	2433
5°	2426	2440	2414
10°	2407	2399	2407
15°	2389	2388	2413
20°	2369	2376	2406
25°	2328	2345	2399
30°	2297	2310	2404
35°	2260	2291	2421
40°	2221	2273	2460
45°	2163	2255	2532
50°	2096	2245	2629
55°	2004	2270	2740
60°	1884	2289	2858
65°	1742	2311	2962
70°	1514	2287	3013
75°	1259	2164	2286
80°	988	1442	1708
85°	696	755	782



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	3.0
10°-20°	246.6	8.7
20°-30°	375.7	13.2
30°-40°	459.7	16.1
40°-50°	494.7	17.4
50°-60°	479.2	16.8
60°-70°	405.9	14.3
70°-80°	245.4	8.6
80°-90°	53.9	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°	708.1	24.9
0°-40°	1167.9	41.0
0°-60°	2141.7	75.2
0°-90°	2846.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2846.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	904	904	904	904	904	
5°	902	902	909	904	898	86
15°	869	871	873	876	878	245
25°	802	807	816	822	827	370
35°	712	716	732	752	763	445
45°	597	608	634	674	699	460
55°	458	478	533	595	626	409
65°	303	336	418	484	515	298
75°	144	195	263	268	261	154
85°	35	42	44	42	40	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	904.2	904.2	904.2	904.2	904.2
2.5°	915.3	913.1	906.5	902.0	897.6
5°	902.0	902.0	908.7	904.2	897.6
7.5°	895.4	895.4	895.4	906.5	895.4
10°	888.8	891.0	888.8	897.6	888.8
12.5°	882.1	882.1	882.1	884.3	884.3
15°	868.9	871.1	873.3	875.5	877.7
17.5°	855.6	857.8	862.2	864.4	866.7
20°	842.3	844.6	851.2	851.2	855.6
22.5°	824.7	824.7	833.5	835.7	842.3
25°	802.5	807.0	815.8	822.4	826.9
27.5°	782.6	787.1	795.9	804.8	811.4
30°	760.5	765.0	773.8	787.1	795.9
32.5°	736.2	740.6	753.9	769.4	778.2
35°	711.9	716.3	731.8	751.7	762.7
37.5°	685.4	692.0	709.7	731.8	745.1
40°	658.8	665.5	685.4	709.7	729.6
42.5°	627.9	636.7	658.8	692.0	714.1
45°	596.9	608.0	634.5	674.3	698.6
47.5°	563.8	574.8	605.8	656.6	683.2
50°	530.6	543.9	581.5	636.7	665.5
52.5°	495.2	508.5	557.1	616.8	647.8
55°	457.6	477.5	532.8	594.7	625.7
57.5°	420.1	442.2	504.1	570.4	603.6
60°	380.3	406.8	477.5	543.9	577.0
62.5°	342.7	371.4	448.8	515.1	548.3
65°	302.9	336.1	417.9	484.2	515.1
67.5°	260.9	302.9	382.5	446.6	477.5
70°	218.9	267.5	347.1	406.8	435.5
72.5°	181.3	232.1	307.3	358.2	358.2
75°	143.7	194.6	263.1	267.5	260.9
77.5°	110.5	159.2	205.6	187.9	192.3
80°	81.8	121.6	130.4	137.1	141.5
82.5°	55.3	81.8	84.0	88.4	88.4
85°	35.4	42.0	44.2	42.0	39.8
87.5°	15.5	17.7	13.3	8.8	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)