

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: P345124

Luminaire Tested: **22CZ-34-L840-HRP-UNV-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P345124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1905-313-3)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-34-L840-HRP-UNV-CD1-U
Description: CRUZE 2X2 WITH HRP LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3150.6 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

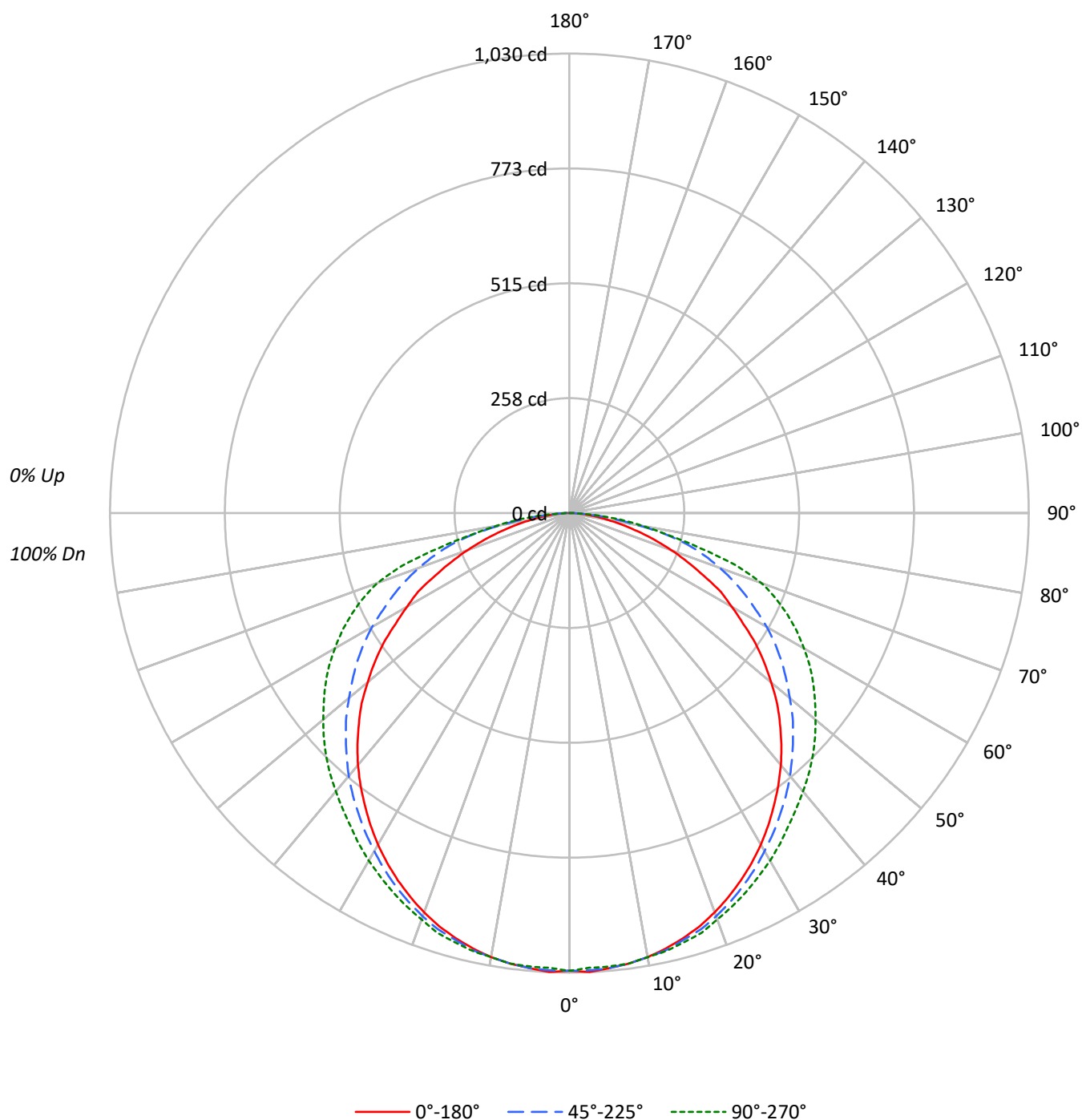
Input Watts (W): 29.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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	72	77	74	70
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	32	27
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2761	2761	2761
5°	2766	2766	2756
10°	2762	2762	2762
15°	2748	2758	2774
20°	2727	2754	2776
25°	2699	2738	2783
30°	2666	2719	2795
35°	2627	2707	2813
40°	2590	2703	2862
45°	2541	2699	2935
50°	2471	2700	3016
55°	2389	2725	3132
60°	2263	2751	3268
65°	2113	2774	3435
70°	1914	2819	3606
75°	1647	2862	3157
80°	1344	2396	2600
85°	1105	1748	1920



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	3.1
10°-20°	279.7	8.9
20°-30°	425.2	13.5
30°-40°	517.4	16.4
40°-50°	551.2	17.5
50°-60°	521.3	16.5
60°-70°	429.7	13.6
70°-80°	264.3	8.4
80°-90°	64.5	2.0
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°	802.2	25.5
0°-40°	1319.6	41.9
0°-60°	2392.1	75.9
0°-90°	3150.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3150.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1026	1026	1026	1026	1026	
5°	1024	1024	1024	1022	1020	97
15°	986	988	990	994	996	278
25°	909	913	922	932	937	419
35°	800	807	824	845	856	501
45°	668	679	709	749	771	515
55°	509	528	581	637	668	453
65°	332	364	436	505	539	330
75°	158	202	275	300	304	170
85°	36	47	57	60	62	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1025.9	1025.9	1025.9	1025.9	1025.9
2.5°	1029.7	1027.8	1025.9	1022.1	1020.3
5°	1024.0	1024.0	1024.0	1022.1	1020.3
7.5°	1018.4	1018.4	1018.4	1018.4	1018.4
10°	1010.8	1010.8	1010.8	1010.8	1010.8
12.5°	999.5	1001.4	1003.3	1003.3	1005.2
15°	986.3	988.2	990.1	993.8	995.7
17.5°	971.2	973.1	978.8	982.5	986.3
20°	952.4	954.2	961.8	965.6	969.3
22.5°	931.6	935.4	942.9	950.5	954.2
25°	909.0	912.8	922.2	931.6	937.3
27.5°	884.5	888.2	899.6	912.8	918.4
30°	858.1	861.8	875.0	890.1	899.6
32.5°	829.8	835.4	850.5	869.4	878.8
35°	799.6	807.1	824.1	844.9	856.2
37.5°	769.4	777.0	797.7	822.2	835.4
40°	737.4	746.8	769.4	797.7	814.7
42.5°	703.4	714.7	739.3	773.2	793.9
45°	667.6	678.9	709.1	748.7	771.3
47.5°	631.8	645.0	678.9	722.3	746.8
50°	590.3	605.4	645.0	695.9	720.4
52.5°	550.7	569.5	612.9	667.6	694.0
55°	509.2	528.0	580.8	637.4	667.6
57.5°	462.0	484.7	546.9	607.2	639.3
60°	420.5	443.2	511.1	575.2	607.2
62.5°	382.8	403.6	471.5	541.2	575.2
65°	331.9	364.0	435.6	505.4	539.4
67.5°	286.7	322.5	397.9	463.9	501.6
70°	243.3	281.0	358.3	422.4	458.3
72.5°	199.9	241.4	318.7	375.3	394.1
75°	158.4	201.8	275.3	299.9	303.6
77.5°	120.7	164.1	222.5	220.6	224.4
80°	86.7	124.5	154.6	160.3	167.8
82.5°	58.5	86.7	100.0	109.4	116.9
85°	35.8	47.1	56.6	60.3	62.2
87.5°	17.0	18.9	18.9	15.1	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)