

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: P260431

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L93050-W2A1-U-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25714)
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-L93050-W2A1-U-4000K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2325.0 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

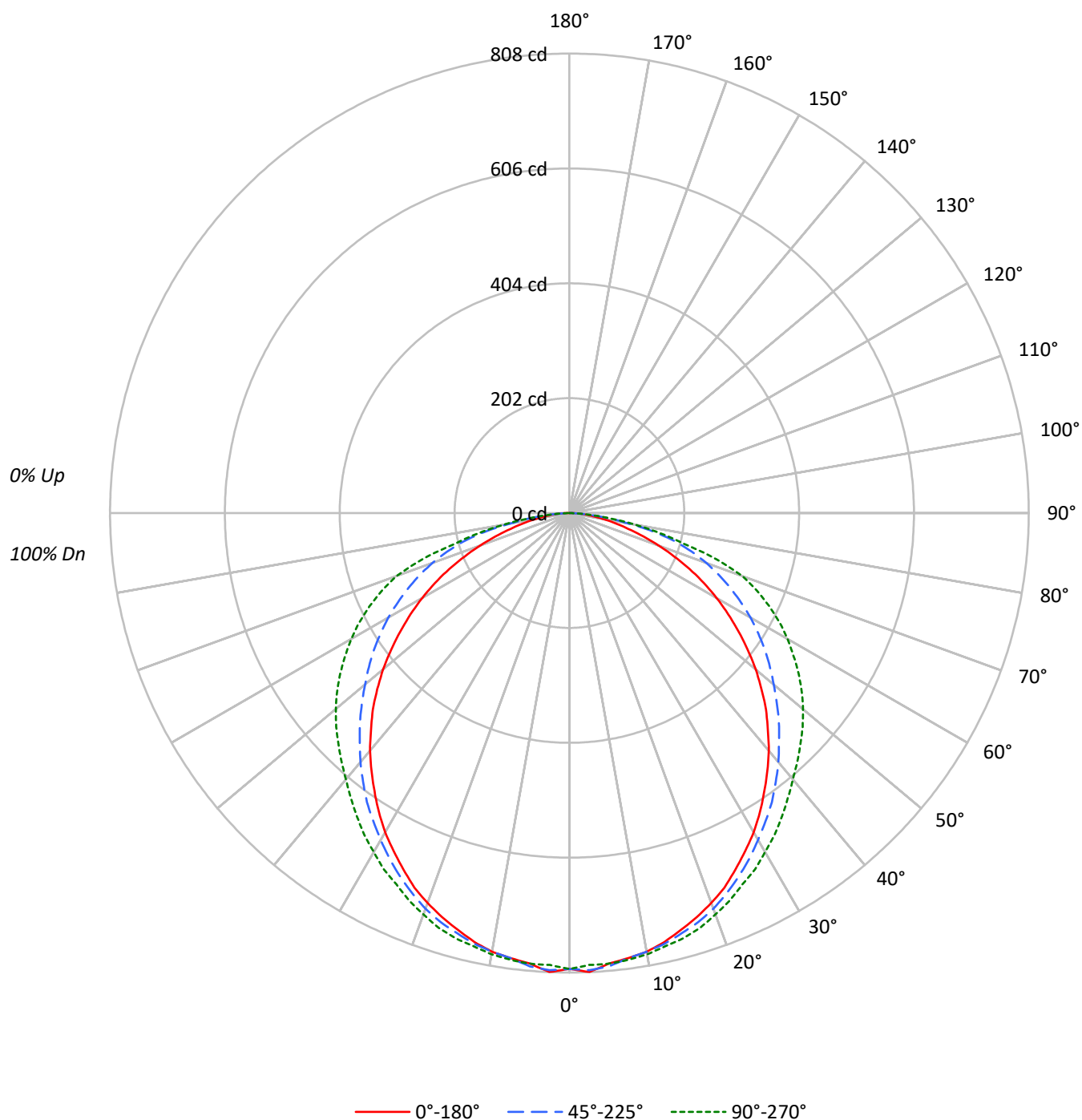
Input Watts (W): 26.335368
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	99	95	106	101	97	94		97	94	91		93	90	88		89	87	85
2	98	90	83	77	96	88	81	76		84	79	74		81	77	73		78	74	71
3	89	79	70	64	87	77	69	63		74	67	62		71	66	61		69	64	60
4	82	69	60	54	79	68	60	53		66	58	52		63	57	52		61	56	51
5	75	62	53	46	73	61	52	46		59	51	45		57	50	45		55	49	44
6	69	56	47	40	67	55	46	40		53	45	40		51	44	39		50	44	39
7	64	50	42	35	62	50	41	35		48	40	35		47	40	35		45	39	34
8	60	46	37	31	58	45	37	31		44	37	31		43	36	31		42	35	31
9	56	42	34	28	54	42	34	28		40	33	28		39	33	28		38	32	28
10	52	39	31	26	51	38	31	26		37	30	25		36	30	25		36	30	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2157	2157	2157
5°	2149	2161	2149
10°	2140	2140	2153
15°	2114	2131	2156
20°	2089	2120	2151
25°	2052	2093	2139
30°	2014	2062	2138
35°	1963	2039	2140
40°	1917	2008	2148
45°	1861	1983	2187
50°	1790	1963	2246
55°	1704	1970	2308
60°	1609	1979	2384
65°	1484	1991	2469
70°	1315	2014	2544
75°	1116	2008	2167
80°	927	1615	1805
85°	806	1090	1041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	3.3
10°-20°	216.0	9.3
20°-30°	325.0	14.0
30°-40°	389.5	16.8
40°-50°	406.1	17.5
50°-60°	378.1	16.3
60°-70°	307.1	13.2
70°-80°	185.0	8.0
80°-90°	42.4	1.8
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°	616.8	26.5
0°-40°	1006.2	43.3
0°-60°	1790.5	77.0
0°-90°	2325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	802	802	802	802	802	
5°	795	795	800	802	795	76
15°	759	762	765	769	774	214
25°	691	696	705	714	720	319
35°	598	605	621	639	651	374
45°	489	498	521	555	575	376
55°	363	379	420	466	492	325
65°	233	258	313	362	388	230
75°	107	142	193	205	208	116
85°	26	32	35	34	34	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	801.6	801.6	801.6	801.6	801.6
2.5°	807.7	806.2	804.6	800.0	795.4
5°	795.4	795.4	800.0	801.6	795.4
7.5°	789.3	789.3	789.3	795.4	792.4
10°	783.2	783.2	783.2	787.8	787.8
12.5°	772.5	774.0	775.5	777.1	780.1
15°	758.7	761.7	764.8	769.4	774.0
17.5°	744.9	747.9	754.1	758.7	764.8
20°	729.5	732.6	740.3	744.9	751.0
22.5°	712.7	714.2	723.4	729.5	737.2
25°	691.2	695.8	705.0	714.2	720.3
27.5°	669.8	674.4	685.1	697.4	706.5
30°	648.3	652.9	663.6	679.0	688.2
32.5°	623.8	629.9	642.2	660.6	671.3
35°	597.7	605.4	620.7	639.1	651.4
37.5°	571.7	579.3	596.2	619.2	631.4
40°	545.6	553.3	571.7	596.2	611.5
42.5°	516.5	525.7	545.6	574.7	593.1
45°	488.9	498.1	521.1	554.8	574.7
47.5°	458.3	469.0	495.0	533.4	556.3
50°	427.6	439.9	469.0	511.9	536.4
52.5°	395.4	409.2	444.5	488.9	515.0
55°	363.2	378.6	419.9	465.9	492.0
57.5°	331.1	347.9	393.9	441.4	467.5
60°	298.9	317.3	367.8	416.9	442.9
62.5°	266.7	286.6	340.2	389.3	416.9
65°	233.0	257.5	312.7	361.7	387.8
67.5°	199.2	228.4	285.1	332.6	357.1
70°	167.1	199.2	256.0	300.4	323.4
72.5°	136.4	170.1	225.3	263.6	272.8
75°	107.3	142.5	193.1	205.4	208.4
77.5°	82.8	114.9	153.3	156.3	164.0
80°	59.8	87.4	104.2	113.4	116.5
82.5°	41.4	59.8	69.0	70.5	72.0
85°	26.1	32.2	35.3	33.7	33.7
87.5°	13.8	12.3	10.7	7.7	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)