

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: P260430

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L93050-W2A1-U-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260430
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-3500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2152.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

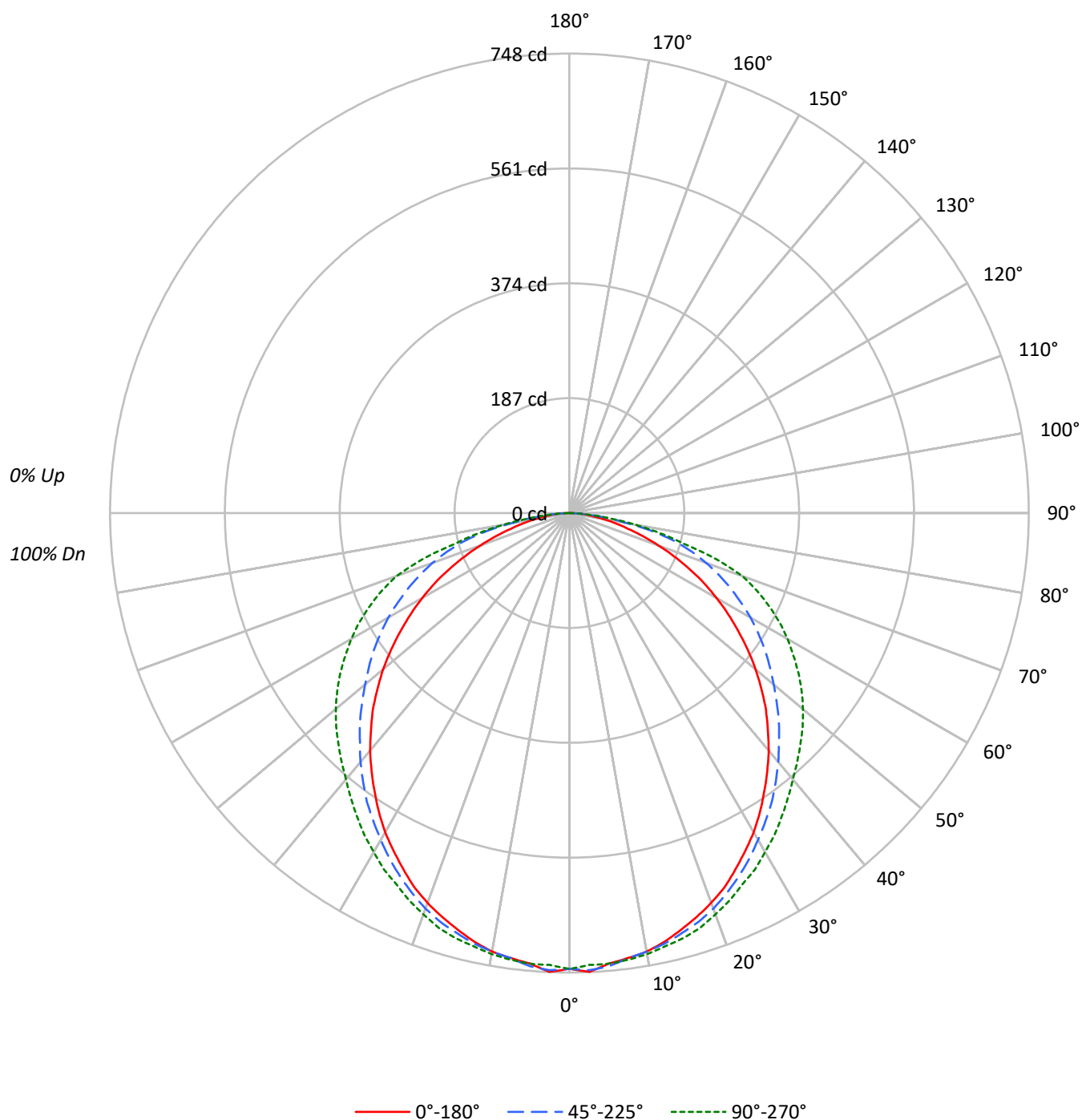
Input Watts (W): 26.155692
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	108	104	99	95	106	101	97	94	97	94	91		93	90	88		83
2	98	90	83	77	96	88	81	76	84	79	74		81	77	73		69
3	89	79	70	64	87	77	69	63	74	67	62		71	66	61		57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		32
8	60	46	37	31	58	45	37	31	44	37	31		43	36	31		29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1996	1996	1996
5°	1989	2000	1989
10°	1981	1981	1993
15°	1956	1972	1996
20°	1934	1962	1991
25°	1900	1938	1980
30°	1865	1909	1979
35°	1818	1887	1981
40°	1774	1859	1988
45°	1722	1835	2025
50°	1657	1817	2079
55°	1577	1824	2137
60°	1489	1833	2207
65°	1373	1843	2285
70°	1216	1864	2355
75°	1032	1858	2006
80°	857	1495	1671
85°	744	1007	963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	3.3
10°-20°	199.9	9.3
20°-30°	300.8	14.0
30°-40°	360.5	16.8
40°-50°	375.9	17.5
50°-60°	350.0	16.3
60°-70°	284.2	13.2
70°-80°	171.3	8.0
80°-90°	39.3	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°	570.9	26.5
0°-40°	931.3	43.3
0°-60°	1657.3	77.0
0°-90°	2152.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2152.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	742	742	742	742	742	
5°	736	736	740	742	736	70
15°	702	705	708	712	716	198
25°	640	644	653	661	667	295
35°	553	560	574	592	603	346
45°	452	461	482	514	532	348
55°	336	350	389	431	455	301
65°	216	238	289	335	359	213
75°	99	132	179	190	193	107
85°	24	30	33	31	31	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	741.9	741.9	741.9	741.9	741.9
2.5°	747.6	746.2	744.8	740.5	736.3
5°	736.3	736.3	740.5	741.9	736.3
7.5°	730.6	730.6	730.6	736.3	733.4
10°	724.9	724.9	724.9	729.2	729.2
12.5°	715.0	716.4	717.8	719.2	722.1
15°	702.2	705.0	707.9	712.1	716.4
17.5°	689.4	692.3	698.0	702.2	707.9
20°	675.3	678.1	685.2	689.4	695.1
22.5°	659.6	661.1	669.6	675.3	682.3
25°	639.8	644.0	652.6	661.1	666.7
27.5°	619.9	624.2	634.1	645.5	654.0
30°	600.1	604.3	614.3	628.4	637.0
32.5°	577.4	583.0	594.4	611.4	621.3
35°	553.3	560.3	574.5	591.6	602.9
37.5°	529.1	536.2	551.8	573.1	584.5
40°	505.0	512.1	529.1	551.8	566.0
42.5°	478.1	486.6	505.0	532.0	549.0
45°	452.5	461.0	482.3	513.5	532.0
47.5°	424.2	434.1	458.2	493.7	515.0
50°	395.8	407.1	434.1	473.8	496.5
52.5°	366.0	378.8	411.4	452.5	476.7
55°	336.2	350.4	388.7	431.3	455.4
57.5°	306.4	322.0	364.6	408.6	432.7
60°	276.6	293.7	340.5	385.9	410.0
62.5°	246.8	265.3	314.9	360.3	385.9
65°	215.6	238.3	289.4	334.8	358.9
67.5°	184.4	211.4	263.9	307.8	330.5
70°	154.6	184.4	236.9	278.0	299.3
72.5°	126.3	157.5	208.5	244.0	252.5
75°	99.3	131.9	178.7	190.1	192.9
77.5°	76.6	106.4	141.9	144.7	151.8
80°	55.3	80.9	96.5	105.0	107.8
82.5°	38.3	55.3	63.8	65.3	66.7
85°	24.1	29.8	32.6	31.2	31.2
87.5°	12.8	11.3	9.9	7.1	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)