

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: P260381

Luminaire Tested: **22CZ-LD5-44-SQP-UNV-L92765-W2A1-U-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260381
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-LD5-44-SQP-UNV-L92765-W2A1-U-5500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH SQP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2596.0 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

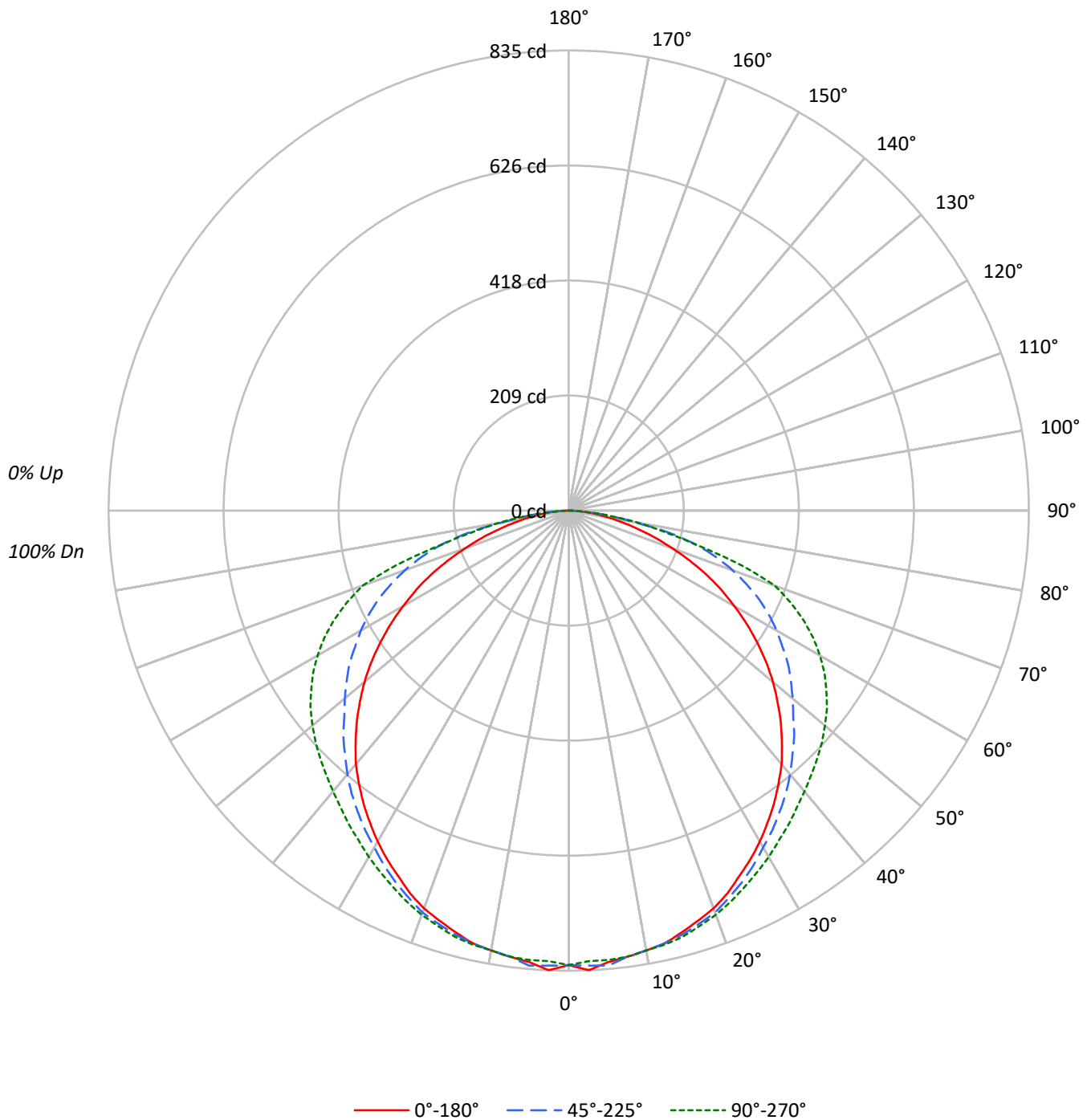
Input Watts (W): 35.526
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2219	2219	2219
5°	2222	2238	2211
10°	2214	2214	2214
15°	2207	2218	2230
20°	2200	2223	2234
25°	2173	2209	2239
30°	2155	2192	2255
35°	2133	2192	2285
40°	2111	2196	2337
45°	2071	2202	2425
50°	2025	2220	2540
55°	1958	2280	2677
60°	1866	2344	2832
65°	1759	2426	2991
70°	1570	2490	3125
75°	1362	2494	2473
80°	1156	1843	1999
85°	997	1244	1121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	3.0
10°-20°	224.8	8.7
20°-30°	342.6	13.2
30°-40°	419.2	16.1
40°-50°	451.1	17.4
50°-60°	436.9	16.8
60°-70°	370.1	14.3
70°-80°	223.7	8.6
80°-90°	49.2	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°	645.7	24.9
0°-40°	1065.0	41.0
0°-60°	1953.0	75.2
0°-90°	2596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2596.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	825	825	825	825	825	
5°	822	822	829	825	818	78
15°	792	794	796	798	800	224
25°	732	736	744	750	754	338
35°	649	653	667	686	696	406
45°	544	554	579	615	637	420
55°	417	436	486	542	570	373
65°	276	306	381	442	470	272
75°	131	177	240	244	238	141
85°	32	38	40	38	36	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	824.6	824.6	824.6	824.6	824.6
2.5°	834.6	832.6	826.6	822.5	818.5
5°	822.5	822.5	828.6	824.6	818.5
7.5°	816.5	816.5	816.5	826.6	816.5
10°	810.4	812.5	810.4	818.5	810.4
12.5°	804.4	804.4	804.4	806.4	806.4
15°	792.3	794.3	796.3	798.4	800.4
17.5°	780.2	782.2	786.3	788.3	790.3
20°	768.1	770.1	776.2	776.2	780.2
22.5°	752.0	752.0	760.0	762.1	768.1
25°	731.8	735.9	743.9	750.0	754.0
27.5°	713.7	717.7	725.8	733.8	739.9
30°	693.5	697.5	705.6	717.7	725.8
32.5°	671.3	675.4	687.5	701.6	709.6
35°	649.2	653.2	667.3	685.5	695.5
37.5°	625.0	631.0	647.1	667.3	679.4
40°	600.8	606.8	625.0	647.1	665.3
42.5°	572.6	580.6	600.8	631.0	651.2
45°	544.3	554.4	578.6	614.9	637.1
47.5°	514.1	524.2	552.4	598.8	623.0
50°	483.8	495.9	530.2	580.6	606.8
52.5°	451.6	463.7	508.0	562.5	590.7
55°	417.3	435.5	485.9	542.3	570.5
57.5°	383.0	403.2	459.7	520.1	550.4
60°	346.8	371.0	435.5	495.9	526.2
62.5°	312.5	338.7	409.3	469.7	500.0
65°	276.2	306.4	381.0	441.5	469.7
67.5°	237.9	276.2	348.8	407.2	435.5
70°	199.6	243.9	316.5	371.0	397.2
72.5°	165.3	211.7	280.2	326.6	326.6
75°	131.0	177.4	239.9	243.9	237.9
77.5°	100.8	145.2	187.5	171.4	175.4
80°	74.6	110.9	118.9	125.0	129.0
82.5°	50.4	74.6	76.6	80.6	80.6
85°	32.3	38.3	40.3	38.3	36.3
87.5°	14.1	16.1	12.1	8.1	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)