

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: P277580

Luminaire Tested: **22CZ2-34HE-RDP-UNV-L82765-W2A1-U-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-783-24)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-34HE-RDP-UNV-L82765-W2A1-U-5000K
Description: CRUZE 2.0 2x2 TUNABLE WHITE LED TROFFER WITH RDP LENS
Light Source: (168) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2207.0 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

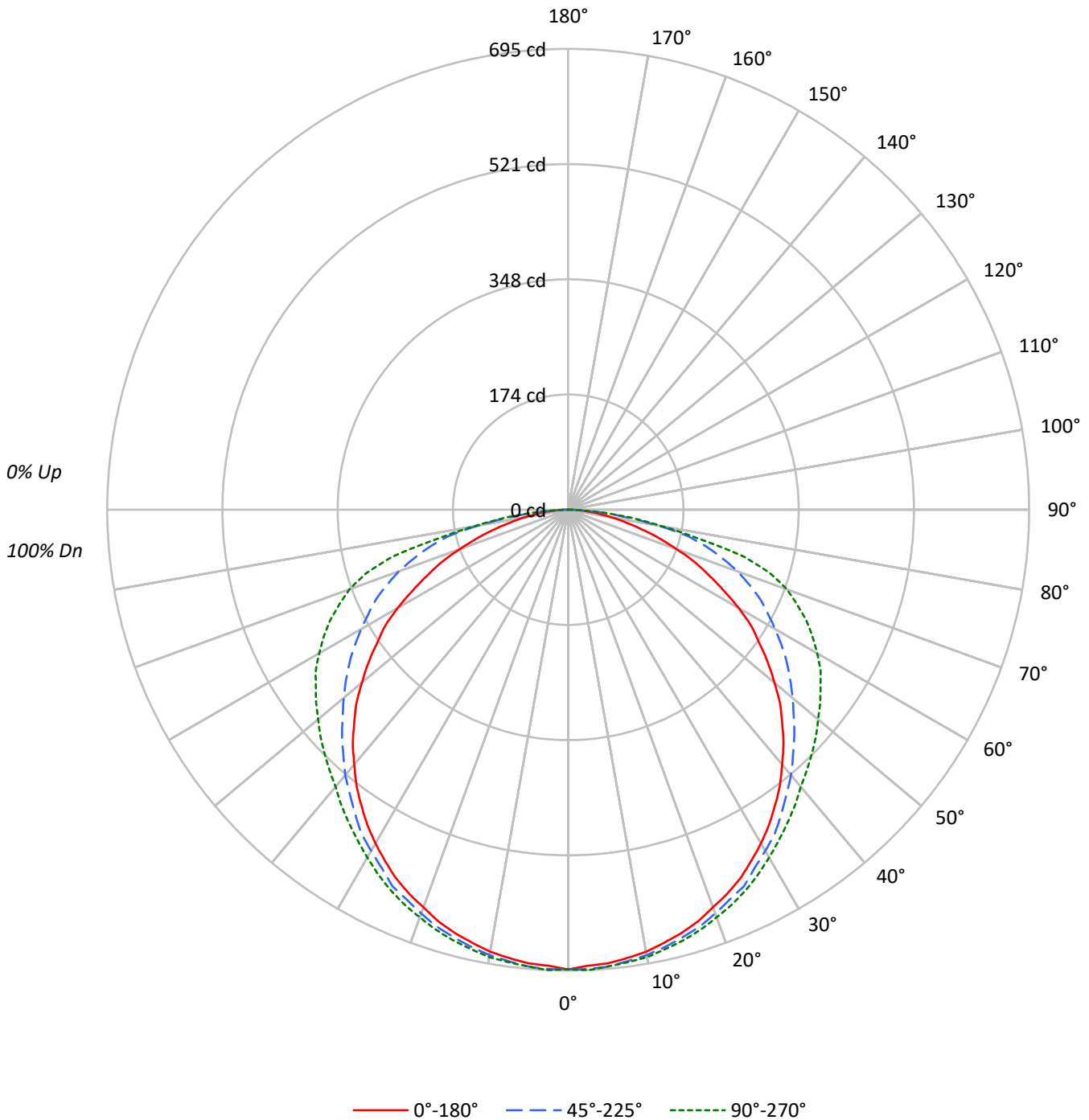
Input Watts (W): 26.226
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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					100			
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82					82			
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67					67			
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55					55			
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47					47			
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40					40			
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35					35			
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31					31			
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27					27			
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24					24			
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22					22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1866	1866	1866
5°	1855	1868	1868
10°	1850	1863	1872
15°	1841	1859	1873
20°	1827	1855	1874
25°	1822	1861	1880
30°	1806	1846	1882
35°	1787	1840	1894
40°	1762	1837	1916
45°	1736	1835	1977
50°	1699	1849	2059
55°	1653	1889	2178
60°	1599	1940	2333
65°	1489	2036	2522
70°	1367	2133	2759
75°	1199	2245	2853
80°	1032	2139	2239
85°	902	1553	1704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	3.0
10°-20°	188.3	8.5
20°-30°	287.3	13.0
30°-40°	350.8	15.9
40°-50°	375.0	17.0
50°-60°	362.0	16.4
60°-70°	311.6	14.1
70°-80°	210.8	9.6
80°-90°	55.6	2.5
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°	541.1	24.5
0°-40°	891.9	40.4
0°-60°	1628.9	73.8
0°-90°	2207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2207.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	693	693	693	693	693	
5°	687	688	692	692	692	65
15°	661	662	667	670	672	186
25°	614	617	627	630	633	282
35°	544	549	560	572	576	340
45°	456	464	482	506	520	352
55°	352	364	403	443	464	316
65°	234	256	320	370	396	233
75°	115	153	216	260	274	124
85°	29	41	50	52	55	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	693.3	693.3	693.3	693.3	693.3
2.5°	688.4	690.0	693.3	693.3	694.9
5°	686.8	688.4	691.6	691.6	691.6
7.5°	681.9	683.5	686.8	688.4	688.4
10°	677.0	678.6	681.9	683.5	685.1
12.5°	668.9	670.5	675.4	678.6	678.6
15°	660.8	662.4	667.3	670.5	672.2
17.5°	651.0	654.3	659.2	662.4	664.0
20°	638.1	641.3	647.8	652.7	654.3
22.5°	626.7	629.9	636.4	641.3	644.6
25°	613.7	617.0	626.7	629.9	633.2
27.5°	597.5	600.7	608.8	615.3	620.2
30°	581.2	584.5	594.2	602.3	605.6
32.5°	563.4	568.2	579.6	586.1	591.0
35°	543.9	548.8	560.1	571.5	576.4
37.5°	524.4	529.3	540.6	555.3	561.7
40°	501.7	508.2	522.8	542.3	545.5
42.5°	480.6	488.7	501.7	524.4	532.5
45°	456.2	464.3	482.2	506.5	519.5
47.5°	433.5	441.6	461.1	490.3	506.5
50°	405.9	417.3	441.6	475.7	491.9
52.5°	379.9	389.7	422.1	459.5	478.9
55°	352.3	363.7	402.6	443.2	464.3
57.5°	328.0	337.7	381.5	427.0	451.3
60°	297.1	310.1	360.4	409.1	433.5
62.5°	264.6	284.1	339.3	389.7	415.6
65°	233.8	256.5	319.8	370.2	396.1
67.5°	206.2	230.5	295.5	349.1	373.4
70°	173.7	204.6	271.1	323.1	350.7
72.5°	144.5	178.6	243.5	295.5	319.8
75°	115.3	152.6	215.9	259.8	274.4
77.5°	89.3	125.0	185.1	198.1	199.7
80°	66.6	99.0	138.0	139.6	144.5
82.5°	45.5	69.8	89.3	97.4	99.0
85°	29.2	40.6	50.3	52.0	55.2
87.5°	13.0	14.6	17.9	16.2	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)