

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: P260365

Luminaire Tested: **22CZ-LD5-34-SQP-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260365
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-LD5-34-SQP-UNV-L92765-W2A1-U-6500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH SQP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2041.0 lumens
Efficiency: N/A
Efficacy: 75.9 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

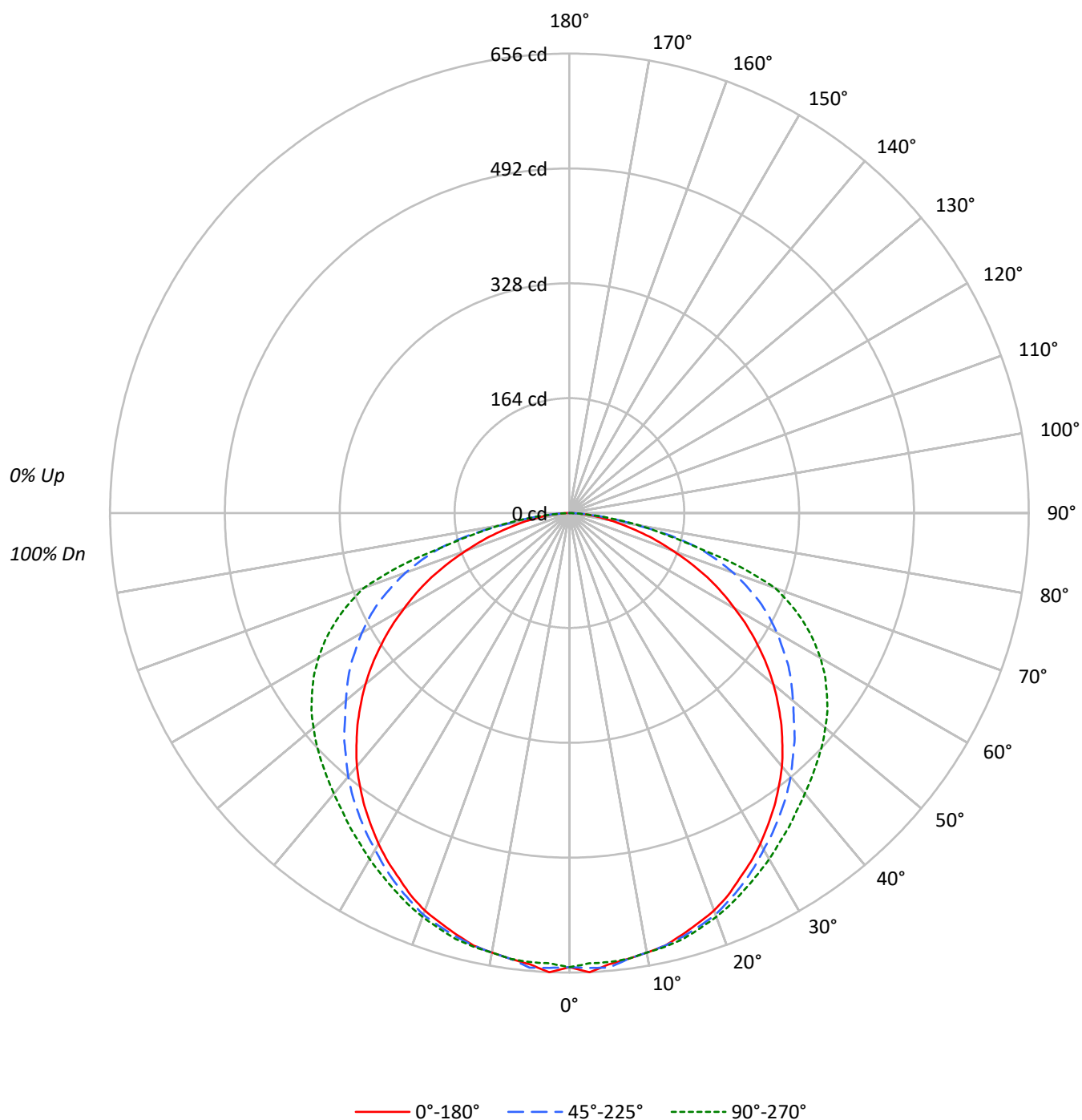
Input Watts (W): 26.877
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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	71		77	73	70
3	89	78	69	62		86	76	68	62		73	66	61		70	64	59		68	63	58
4	81	68	59	52		79	67	58	52		64	57	51		62	56	50		60	54	50
5	74	61	52	45		72	60	51	44		58	50	44		56	49	43		54	48	43
6	68	55	45	39		66	54	45	39		52	44	38		50	43	38		48	42	37
7	63	49	40	34		62	49	40	34		47	39	34		45	39	33		44	38	33
8	59	45	36	30		57	44	36	30		43	35	30		42	35	30		40	34	29
9	55	41	33	27		54	41	33	27		39	32	27		38	32	27		37	31	27
10	51	38	30	24		50	37	30	24		36	29	24		35	29	24		35	28	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1745	1745	1745
5°	1747	1760	1738
10°	1741	1741	1741
15°	1735	1744	1753
20°	1729	1747	1757
25°	1708	1737	1760
30°	1694	1724	1773
35°	1677	1723	1796
40°	1659	1726	1838
45°	1629	1731	1906
50°	1593	1745	1997
55°	1539	1792	2105
60°	1467	1843	2227
65°	1382	1908	2351
70°	1234	1958	2457
75°	1071	1961	1944
80°	908	1449	1571
85°	784	979	880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	3.0
10°-20°	176.8	8.7
20°-30°	269.4	13.2
30°-40°	329.6	16.1
40°-50°	354.6	17.4
50°-60°	343.5	16.8
60°-70°	291.0	14.3
70°-80°	175.9	8.6
80°-90°	38.6	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°	507.7	24.9
0°-40°	837.3	41.0
0°-60°	1535.5	75.2
0°-90°	2041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2041.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	648	648	648	648	648	
5°	647	647	651	648	644	61
15°	623	624	626	628	629	176
25°	575	578	585	590	593	266
35°	510	514	525	539	547	319
45°	428	436	455	483	501	330
55°	328	342	382	426	449	293
65°	217	241	300	347	369	214
75°	103	140	189	192	187	111
85°	25	30	32	30	28	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	648.3	648.3	648.3	648.3	648.3
2.5°	656.2	654.6	649.9	646.7	643.5
5°	646.7	646.7	651.4	648.3	643.5
7.5°	641.9	641.9	641.9	649.9	641.9
10°	637.2	638.8	637.2	643.5	637.2
12.5°	632.4	632.4	632.4	634.0	634.0
15°	622.9	624.5	626.1	627.7	629.3
17.5°	613.4	615.0	618.2	619.7	621.3
20°	603.9	605.5	610.2	610.2	613.4
22.5°	591.2	591.2	597.6	599.1	603.9
25°	575.4	578.5	584.9	589.6	592.8
27.5°	561.1	564.3	570.6	577.0	581.7
30°	545.2	548.4	554.8	564.3	570.6
32.5°	527.8	531.0	540.5	551.6	557.9
35°	510.4	513.5	524.6	538.9	546.8
37.5°	491.4	496.1	508.8	524.6	534.2
40°	472.3	477.1	491.4	508.8	523.1
42.5°	450.1	456.5	472.3	496.1	512.0
45°	428.0	435.9	454.9	483.4	500.9
47.5°	404.2	412.1	434.3	470.8	489.8
50°	380.4	389.9	416.9	456.5	477.1
52.5°	355.0	364.6	399.4	442.2	464.4
55°	328.1	342.4	382.0	426.4	448.6
57.5°	301.2	317.0	361.4	408.9	432.7
60°	272.6	291.6	342.4	389.9	413.7
62.5°	245.7	266.3	321.8	369.3	393.1
65°	217.1	240.9	299.6	347.1	369.3
67.5°	187.0	217.1	274.2	320.2	342.4
70°	156.9	191.8	248.8	291.6	312.3
72.5°	130.0	166.4	220.3	256.8	256.8
75°	103.0	139.5	188.6	191.8	187.0
77.5°	79.3	114.1	147.4	134.7	137.9
80°	58.6	87.2	93.5	98.3	101.4
82.5°	39.6	58.6	60.2	63.4	63.4
85°	25.4	30.1	31.7	30.1	28.5
87.5°	11.1	12.7	9.5	6.3	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)