

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: P260526

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L92765-W2A1-U-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260526
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-L92765-W2A1-U-3000K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2064.0 lumens
Efficiency: N/A
Efficacy: 81.3 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

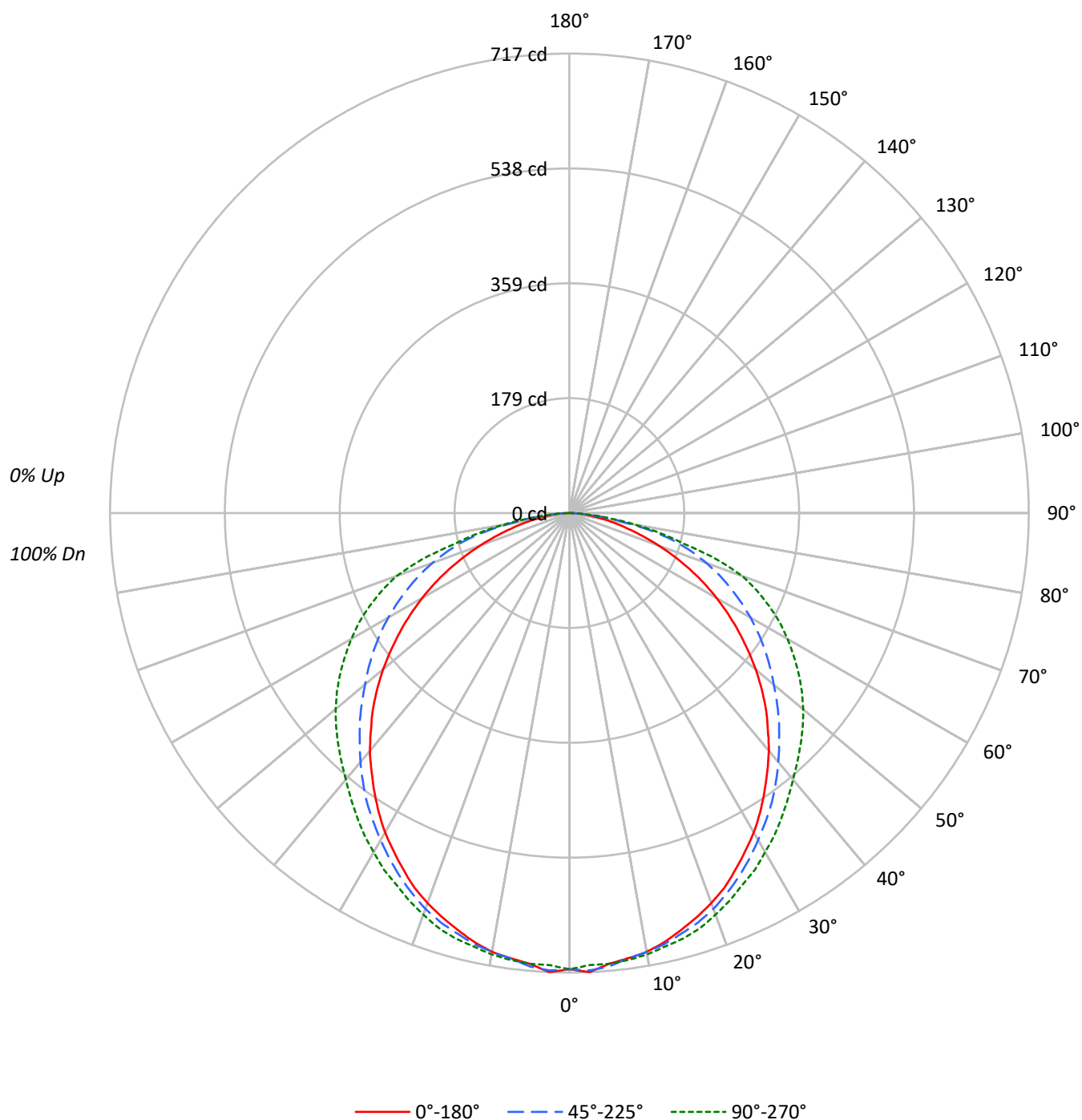
Input Watts (W): 25.389
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1915	1915	1915
5°	1907	1918	1907
10°	1900	1900	1911
15°	1876	1891	1914
20°	1855	1882	1909
25°	1822	1858	1899
30°	1788	1830	1898
35°	1743	1810	1900
40°	1702	1783	1907
45°	1652	1760	1942
50°	1589	1743	1994
55°	1513	1749	2049
60°	1428	1757	2116
65°	1317	1768	2192
70°	1167	1788	2259
75°	990	1782	1923
80°	823	1433	1602
85°	713	966	923



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	3.3
10°-20°	191.8	9.3
20°-30°	288.5	14.0
30°-40°	345.7	16.8
40°-50°	360.6	17.5
50°-60°	335.7	16.3
60°-70°	272.6	13.2
70°-80°	164.3	8.0
80°-90°	37.7	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°	547.5	26.5
0°-40°	893.3	43.3
0°-60°	1589.5	77.0
0°-90°	2064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2064.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	712	712	712	712	712	
5°	706	706	710	712	706	67
15°	674	676	679	683	687	190
25°	614	618	626	634	640	283
35°	531	537	551	567	578	332
45°	434	442	463	492	510	334
55°	322	336	373	414	437	288
65°	207	229	278	321	344	205
75°	95	126	171	182	185	103
85°	23	29	31	30	30	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	711.6	711.6	711.6	711.6	711.6
2.5°	717.0	715.7	714.3	710.2	706.1
5°	706.1	706.1	710.2	711.6	706.1
7.5°	700.7	700.7	700.7	706.1	703.4
10°	695.3	695.3	695.3	699.3	699.3
12.5°	685.7	687.1	688.5	689.8	692.5
15°	673.5	676.2	678.9	683.0	687.1
17.5°	661.2	664.0	669.4	673.5	678.9
20°	647.6	650.4	657.2	661.2	666.7
22.5°	632.7	634.0	642.2	647.6	654.4
25°	613.6	617.7	625.9	634.0	639.5
27.5°	594.6	598.7	608.2	619.1	627.2
30°	575.5	579.6	589.1	602.7	610.9
32.5°	553.8	559.2	570.1	586.4	595.9
35°	530.6	537.4	551.0	567.4	578.3
37.5°	507.5	514.3	529.3	549.7	560.6
40°	484.4	491.2	507.5	529.3	542.9
42.5°	458.5	466.7	484.4	510.2	526.5
45°	434.0	442.2	462.6	492.5	510.2
47.5°	406.8	416.3	439.5	473.5	493.9
50°	379.6	390.5	416.3	454.4	476.2
52.5°	351.0	363.3	394.6	434.0	457.2
55°	322.5	336.1	372.8	413.6	436.8
57.5°	293.9	308.9	349.7	391.9	415.0
60°	265.3	281.6	326.5	370.1	393.2
62.5°	236.7	254.4	302.1	345.6	370.1
65°	206.8	228.6	277.6	321.1	344.2
67.5°	176.9	202.7	253.1	295.2	317.0
70°	148.3	176.9	227.2	266.7	287.1
72.5°	121.1	151.0	200.0	234.0	242.2
75°	95.2	126.5	171.4	182.3	185.0
77.5°	73.5	102.0	136.1	138.8	145.6
80°	53.1	77.6	92.5	100.7	103.4
82.5°	36.7	53.1	61.2	62.6	63.9
85°	23.1	28.6	31.3	29.9	29.9
87.5°	12.2	10.9	9.5	6.8	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)