

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: P260550

Luminaire Tested: **22CZ-LD5-44-RDP-UNV-L92765-W2A1-U-5700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260550
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-LD5-44-RDP-UNV-L92765-W2A1-U-5700K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3070.0 lumens
Efficiency: N/A
Efficacy: 86.2 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

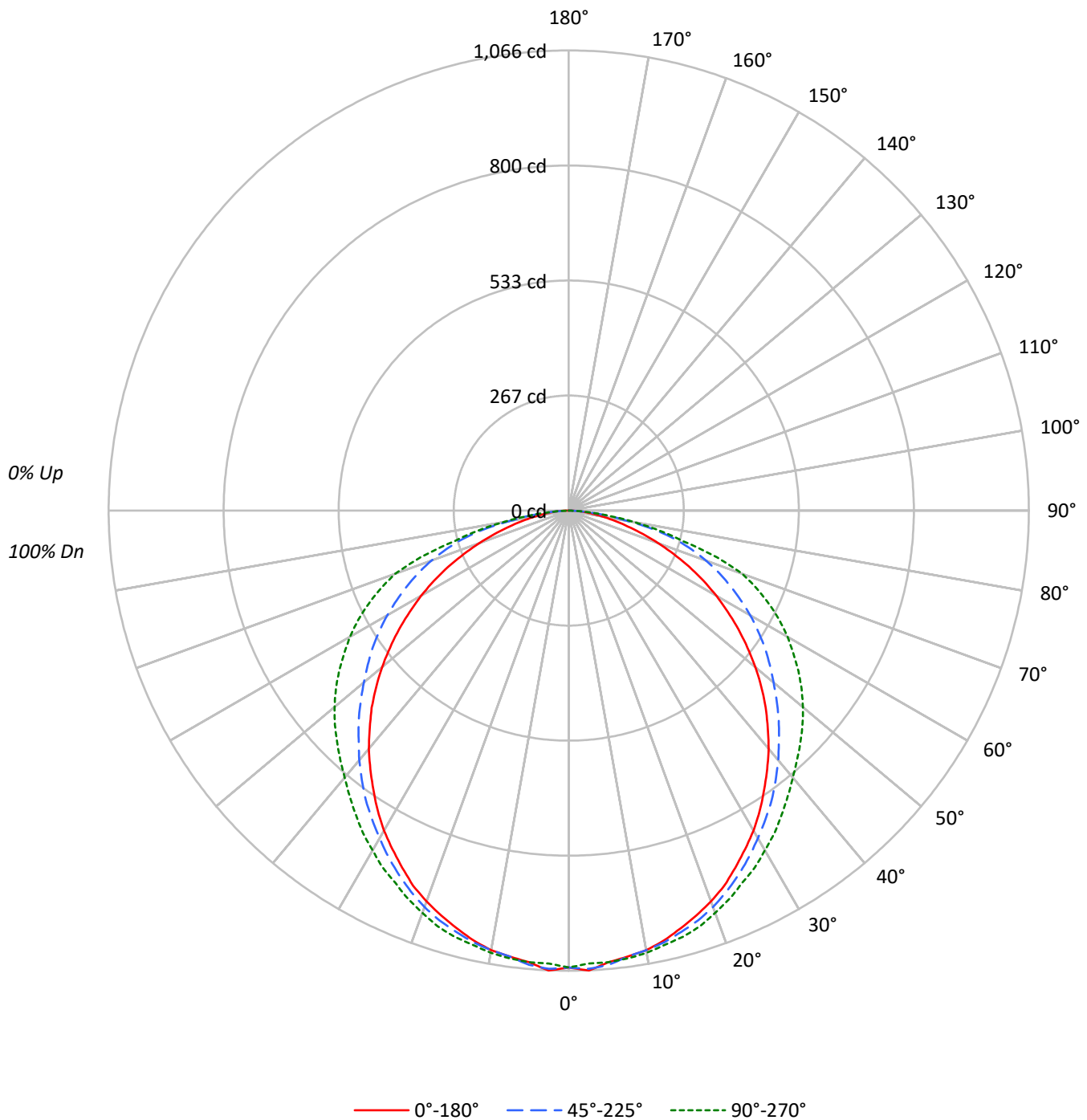
Input Watts (W): 35.619
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P260550

CATALOG NUMBER: 22CZ-LD5-44-RDP-UNV-L92765-W2A1-U-5700K

Luminous Intensity Polar Plot





TEST NUMBER: P260550

CATALOG NUMBER: 22CZ-LD5-44-RDP-UNV-L92765-W2A1-U-5700K

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°	2848	2848	2848
5°	2837	2854	2837
10°	2826	2826	2842
15°	2791	2813	2847
20°	2759	2799	2840
25°	2710	2764	2824
30°	2660	2723	2824
35°	2593	2692	2825
40°	2531	2652	2837
45°	2457	2619	2888
50°	2364	2593	2965
55°	2250	2601	3048
60°	2124	2614	3148
65°	1959	2628	3260
70°	1736	2659	3360
75°	1473	2651	2861
80°	1223	2132	2383
85°	1062	1436	1374



TEST NUMBER: P260550

CATALOG NUMBER: 22CZ-LD5-44-RDP-UNV-L92765-W2A1-U-5700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	3.3
10°-20°	285.2	9.3
20°-30°	429.1	14.0
30°-40°	514.3	16.8
40°-50°	536.3	17.5
50°-60°	499.3	16.3
60°-70°	405.4	13.2
70°-80°	244.3	8.0
80°-90°	56.0	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°	814.4	26.5
0°-40°	1328.6	43.3
0°-60°	2364.2	77.0
0°-90°	3070.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3070.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1058	1058	1058	1058	1058	
5°	1050	1050	1056	1058	1050	100
15°	1002	1006	1010	1016	1022	283
25°	913	919	931	943	951	421
35°	789	799	820	844	860	494
45°	646	658	688	733	759	497
55°	480	500	554	615	650	429
65°	308	340	413	478	512	304
75°	142	188	255	271	275	153
85°	34	42	46	44	44	40
90°	0	0	0	0	0	



TEST NUMBER: P260550

CATALOG NUMBER: 22CZ-LD5-44-RDP-UNV-L92765-W2A1-U-5700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1058.4	1058.4	1058.4	1058.4	1058.4
2.5°	1066.5	1064.5	1062.5	1056.4	1050.3
5°	1050.3	1050.3	1056.4	1058.4	1050.3
7.5°	1042.2	1042.2	1042.2	1050.3	1046.3
10°	1034.1	1034.1	1034.1	1040.2	1040.2
12.5°	1020.0	1022.0	1024.0	1026.0	1030.1
15°	1001.8	1005.8	1009.9	1015.9	1022.0
17.5°	983.5	987.6	995.7	1001.8	1009.9
20°	963.3	967.4	977.5	983.5	991.6
22.5°	941.0	943.1	955.2	963.3	973.4
25°	912.7	918.8	930.9	943.1	951.2
27.5°	884.4	890.4	904.6	920.8	932.9
30°	856.0	862.1	876.3	896.5	908.7
32.5°	823.7	831.8	848.0	872.2	886.4
35°	789.3	799.4	819.6	843.9	860.1
37.5°	754.9	765.0	787.2	817.6	833.8
40°	720.5	730.6	754.9	787.2	807.5
42.5°	682.0	694.1	720.5	758.9	783.2
45°	645.6	657.7	688.1	732.6	758.9
47.5°	605.1	619.3	653.7	704.3	734.6
50°	564.6	580.8	619.3	675.9	708.3
52.5°	522.1	540.3	586.9	645.6	680.0
55°	479.6	499.9	554.5	615.2	649.6
57.5°	437.1	459.4	520.1	582.8	617.2
60°	394.6	418.9	485.7	550.5	584.9
62.5°	352.1	378.4	449.3	514.0	550.5
65°	307.6	340.0	412.8	477.6	512.0
67.5°	263.1	301.5	376.4	439.2	471.5
70°	220.6	263.1	338.0	396.7	427.0
72.5°	180.1	224.6	297.5	348.1	360.2
75°	141.7	188.2	255.0	271.2	275.2
77.5°	109.3	151.8	202.4	206.4	216.5
80°	78.9	115.4	137.6	149.8	153.8
82.5°	54.6	78.9	91.1	93.1	95.1
85°	34.4	42.5	46.5	44.5	44.5
87.5°	18.2	16.2	14.2	10.1	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)