

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: P225776

Luminaire Tested: **22GR-LD5-24-A-UNV-L935-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P225776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33296)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/12/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22GR-LD5-24-A-UNV-L935-CD1-U
Description: METALUX GR 2X2 LED TROFFER WITH A LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2084.2 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.25
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

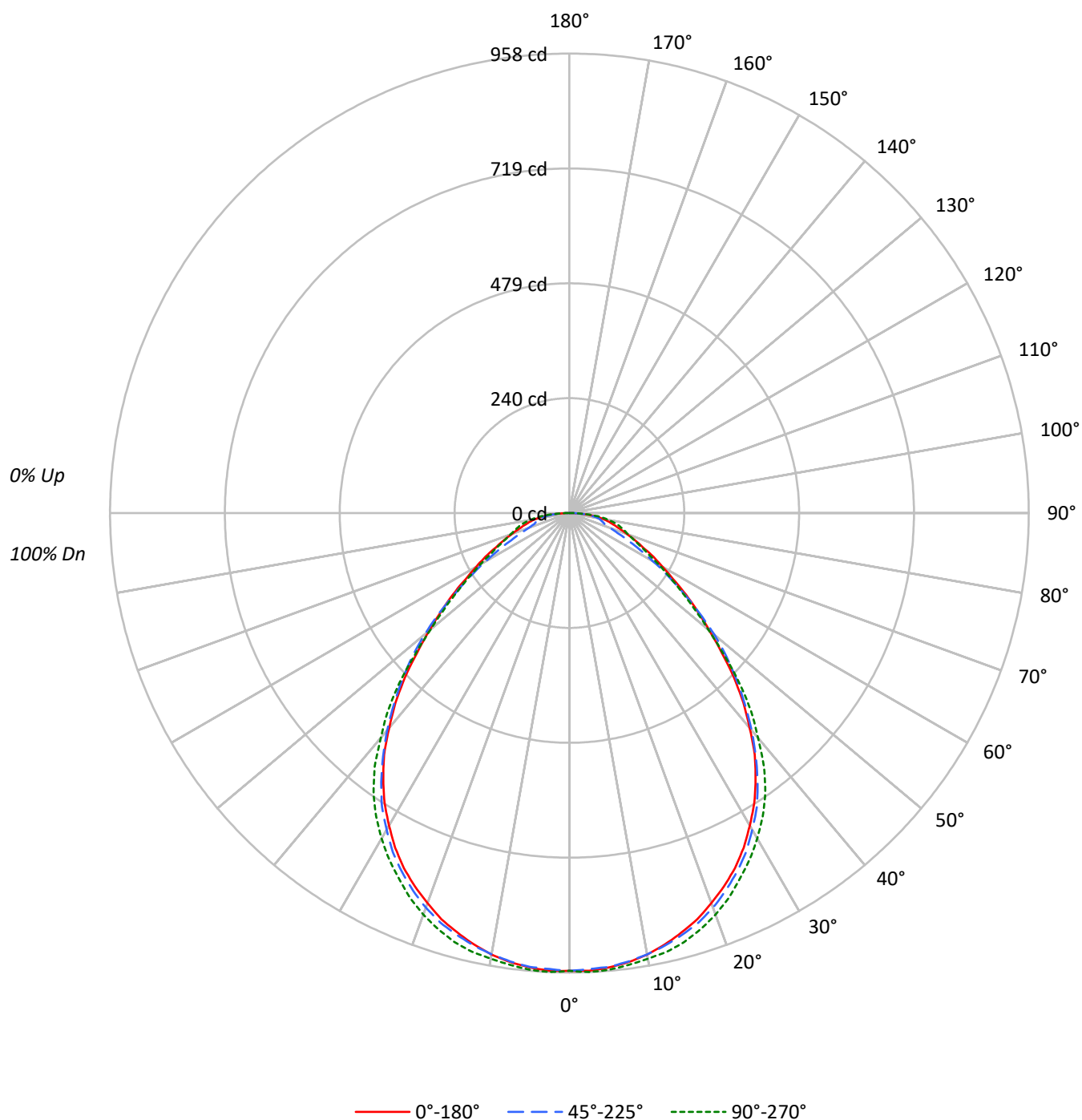
Input Watts (W): 19.219
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64		
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56		
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49		
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44		
7	69	56	48	42	67	55	48	42	54	47	42	53	46	42	51	46	41	39		
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36		
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32		
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3057	3057	3057
5°	3058	3053	3072
10°	3039	3038	3068
15°	3000	3016	3070
20°	2949	2983	3037
25°	2886	2918	2972
30°	2782	2819	2897
35°	2645	2675	2784
40°	2445	2472	2559
45°	2197	2236	2271
50°	1899	1967	1880
55°	1657	1614	1592
60°	1435	1293	1379
65°	1282	1015	1239
70°	1190	841	1222
75°	1188	887	1356
80°	1315	1118	1531
85°	1371	1213	1727



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	4.3
10°-20°	257.3	12.3
20°-30°	380.5	18.3
30°-40°	429.3	20.6
40°-50°	378.5	18.2
50°-60°	259.6	12.5
60°-70°	153.2	7.4
70°-80°	95.6	4.6
80°-90°	39.9	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°	728.1	34.9
0°-40°	1157.4	55.5
0°-60°	1795.5	86.1
0°-90°	2084.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2084.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	951	949	950	953	956	90
15°	905	906	910	921	926	255
25°	817	820	826	837	841	375
35°	677	682	684	701	712	422
45°	485	487	494	497	502	373
55°	297	290	289	279	285	266
65°	169	149	134	155	164	171
75°	96	86	72	100	110	103
85°	37	35	33	43	47	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	954.5	954.5	954.5	954.5	954.5
2.5°	955.0	952.5	951.6	955.5	957.9
5°	951.1	949.2	949.6	953.0	955.5
7.5°	944.3	942.8	942.8	947.7	950.1
10°	934.6	934.2	934.2	939.9	943.3
12.5°	921.1	921.5	923.4	931.2	937.0
15°	905.0	906.0	909.8	921.1	925.9
17.5°	887.6	887.6	895.3	904.1	909.8
20°	865.2	866.7	875.4	885.1	891.0
22.5°	842.4	844.9	852.1	863.3	868.6
25°	816.8	819.7	825.9	836.7	841.0
27.5°	786.7	790.6	797.4	805.1	814.3
30°	752.2	758.0	762.4	773.1	783.3
32.5°	717.3	722.7	727.5	738.6	750.3
35°	676.6	682.4	684.3	700.8	712.0
37.5°	634.9	637.3	638.3	654.8	666.9
40°	584.9	589.7	591.3	604.4	612.1
42.5°	536.9	538.8	541.8	551.5	560.7
45°	485.0	487.4	493.8	496.7	501.5
47.5°	430.7	437.9	445.2	436.0	436.5
50°	381.2	387.0	394.8	377.3	377.3
52.5°	337.1	340.0	340.5	325.9	328.9
55°	296.8	289.5	289.1	279.4	285.2
57.5°	256.5	246.8	243.4	240.6	247.4
60°	224.1	206.6	201.8	206.1	215.3
62.5°	197.4	175.1	165.8	177.1	185.3
65°	169.2	148.9	133.9	154.7	163.5
67.5°	147.5	128.0	108.6	138.2	144.5
70°	127.1	112.0	89.8	125.6	130.5
72.5°	110.6	98.9	77.6	113.5	119.3
75°	96.0	86.4	71.7	100.4	109.6
77.5°	84.4	73.7	66.9	86.8	98.0
80°	71.3	60.6	60.6	72.8	83.0
82.5°	56.3	47.5	49.0	59.2	66.5
85°	37.3	34.9	33.0	43.2	47.0
87.5°	19.0	19.4	17.4	22.3	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)