

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: P234136

Luminaire Tested: **22GR-LD5-85-A125-UNV-L950-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P234136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33297)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/12/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22GR-LD5-85-A125-UNV-L950-CD1-U
Description: METALUX 2X2 GRLED TROFFER
WITH A125 LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8520.5 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.22 / 1.24
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

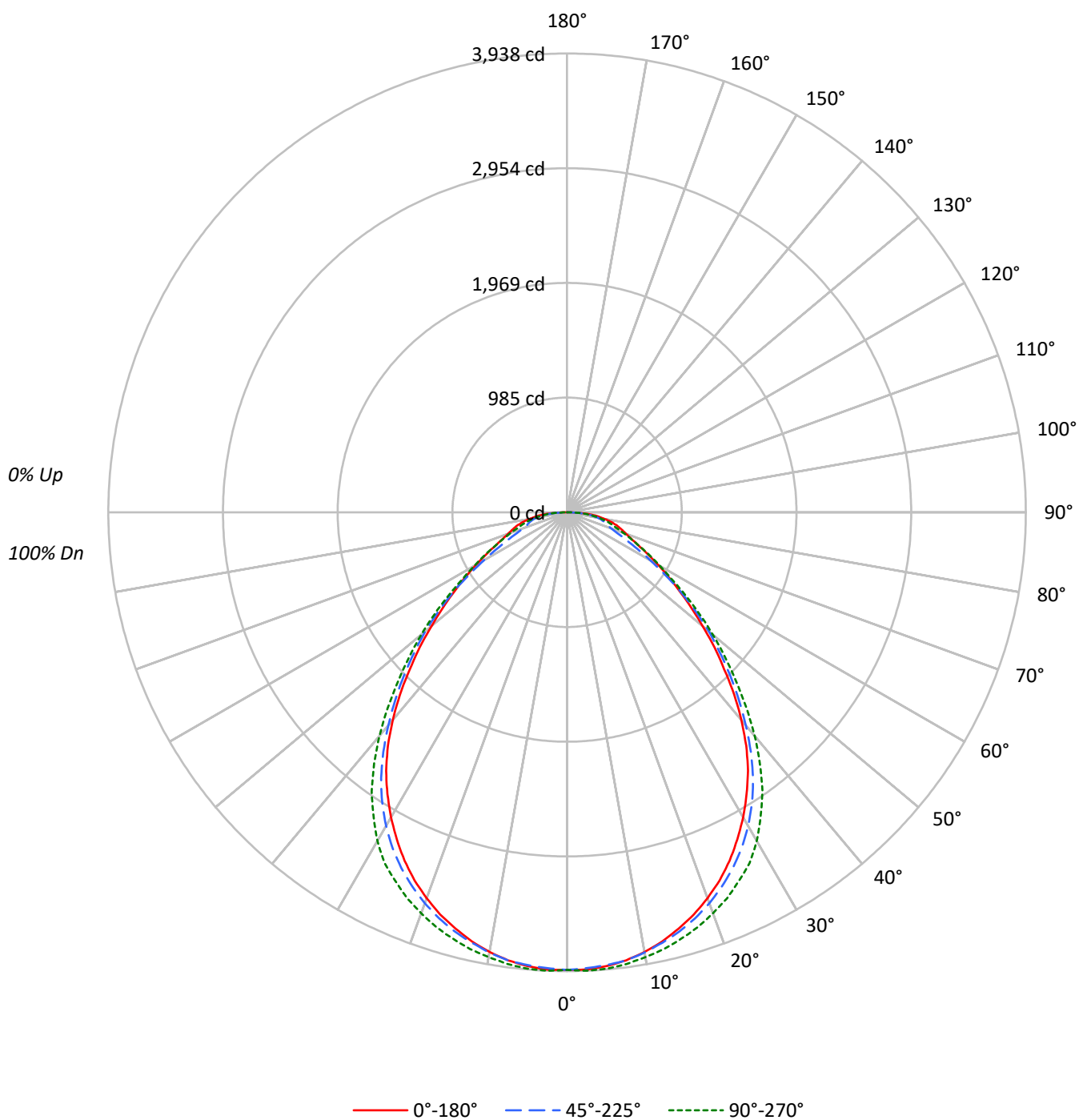
Input Watts (W): 81.06
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	96		99	96	93		95	93	91		92	90	88
2	101	94	87	82	98	92	86	81		88	83	79		85	81	78		82	79	76
3	93	83	76	70	91	82	75	69		79	73	68		76	71	67		74	70	66
4	86	75	67	61	84	74	66	60		71	65	59		69	63	59		67	62	58
5	80	68	59	53	78	67	59	53		65	58	52		63	57	52		61	56	51
6	74	61	53	47	72	61	53	47		59	52	47		57	51	46		56	50	46
7	69	56	48	42	67	55	48	42		54	47	42		52	46	41		51	46	41
8	64	52	44	38	63	51	43	38		50	43	38		48	42	38		47	42	37
9	60	48	40	35	59	47	40	34		46	39	34		45	39	34		44	38	34
10	57	44	37	32	55	44	36	32		43	36	31		42	36	31		41	35	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12578	12578	12578
5°	12568	12536	12639
10°	12462	12475	12604
15°	12264	12350	12561
20°	12011	12166	12478
25°	11660	11899	12334
30°	11174	11490	12041
35°	10586	10881	11433
40°	9734	9974	10473
45°	8647	8962	9285
50°	7552	7898	8136
55°	6567	6655	6899
60°	5777	5294	5891
65°	5133	4230	5163
70°	5041	3758	4762
75°	5506	4130	4868
80°	6045	4909	5203
85°	7228	5695	5839



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.2	4.4
10°-20°	1052.7	12.4
20°-30°	1554.0	18.2
30°-40°	1738.9	20.4
40°-50°	1527.0	17.9
50°-60°	1080.5	12.7
60°-70°	628.9	7.4
70°-80°	392.0	4.6
80°-90°	175.4	2.1
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°	2977.8	34.9
0°-40°	4716.7	55.4
0°-60°	7324.3	86.0
0°-90°	8520.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8520.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3928	3928	3928	3928	3928	
5°	3910	3900	3900	3920	3932	371
15°	3699	3707	3725	3765	3788	1042
25°	3300	3314	3367	3447	3490	1516
35°	2708	2720	2783	2867	2924	1684
45°	1909	1931	1979	2026	2050	1477
55°	1176	1200	1192	1214	1236	1063
65°	677	624	558	608	681	687
75°	445	383	334	342	393	465
85°	197	205	155	151	159	200
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3927.6	3927.6	3927.6	3927.6	3927.6
2.5°	3927.6	3919.6	3915.6	3929.6	3937.5
5°	3909.6	3899.7	3899.7	3919.6	3931.5
7.5°	3877.9	3868.0	3879.9	3897.7	3909.6
10°	3832.2	3828.2	3836.1	3859.9	3875.9
12.5°	3772.6	3774.6	3782.5	3820.3	3840.1
15°	3699.1	3707.0	3724.9	3764.7	3788.5
17.5°	3619.6	3625.5	3653.4	3699.1	3732.8
20°	3524.2	3536.2	3569.9	3627.5	3661.3
22.5°	3419.0	3432.9	3474.6	3544.1	3585.9
25°	3299.8	3313.7	3367.3	3446.8	3490.5
27.5°	3164.7	3186.5	3246.2	3333.5	3393.1
30°	3021.7	3039.5	3107.1	3206.4	3256.1
32.5°	2868.7	2890.5	2954.1	3049.4	3093.2
35°	2707.8	2719.7	2783.2	2866.7	2924.3
37.5°	2525.0	2531.0	2590.6	2668.0	2719.7
40°	2328.3	2332.2	2385.9	2459.5	2505.1
42.5°	2123.7	2125.7	2183.3	2238.9	2278.6
45°	1909.2	1931.0	1978.7	2026.4	2050.2
47.5°	1716.4	1732.4	1776.0	1817.7	1839.6
50°	1515.8	1555.6	1585.3	1607.2	1633.0
52.5°	1343.0	1376.7	1384.7	1410.5	1432.3
55°	1176.1	1199.9	1192.0	1213.8	1235.7
57.5°	1035.0	1023.1	997.3	1035.0	1062.9
60°	901.9	870.1	826.5	878.1	919.8
62.5°	782.7	731.1	677.4	729.1	798.6
65°	677.4	623.8	558.2	607.9	681.4
67.5°	598.0	542.4	464.8	514.5	588.0
70°	538.4	480.8	401.3	443.0	508.6
72.5°	490.7	429.1	359.5	387.4	443.0
75°	445.0	383.4	333.8	341.7	393.4
77.5°	391.4	345.7	305.9	301.9	341.7
80°	327.8	313.9	266.2	260.3	282.1
82.5°	270.2	264.3	218.5	212.6	220.5
85°	196.7	204.7	155.0	151.0	158.9
87.5°	103.3	113.2	81.4	85.4	87.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)