

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: P257252

Luminaire Tested: **24GR-LD5-30-F125-UNV-L950-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P257252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35585)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/12/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24GR-LD5-30-F125-UNV-L950-CD1-U
Description: METALUX GR 2X4 LED TROFFER WITH F125 LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2844.7 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.18 / 1.26
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

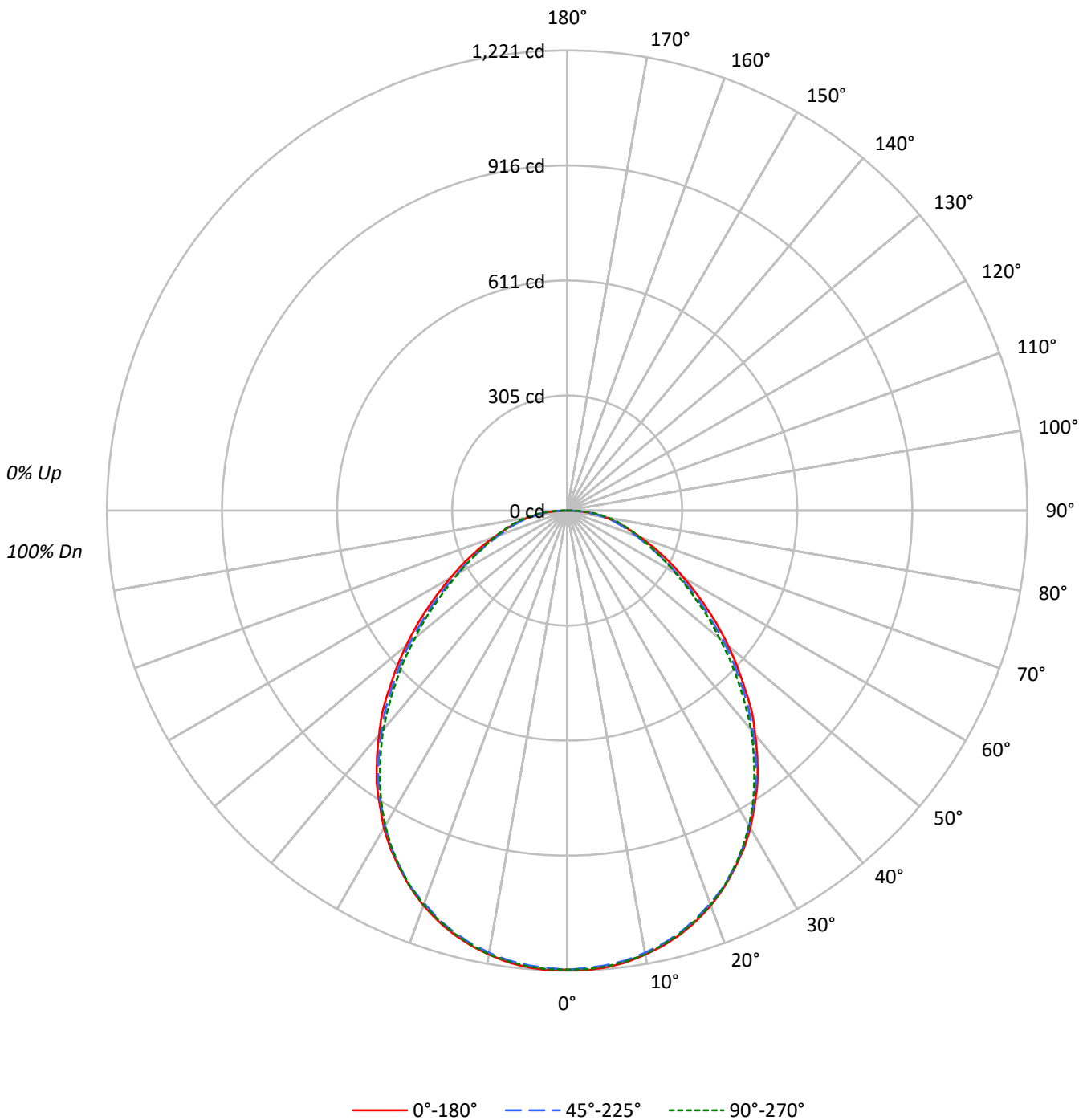
Input Watts (W): 23.434
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33
9	59	46	38	33	58	45	38	33	44	37	32	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	39	33	29	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1866	1866	1866
5°	1870	1861	1866
10°	1861	1853	1859
15°	1845	1837	1841
20°	1818	1807	1814
25°	1774	1768	1769
30°	1720	1710	1707
35°	1647	1634	1619
40°	1552	1532	1517
45°	1442	1416	1390
50°	1329	1295	1256
55°	1209	1167	1130
60°	1095	1037	1018
65°	1001	935	941
70°	921	868	910
75°	895	849	927
80°	897	874	986
85°	986	933	1088



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	4.0
10°-20°	326.6	11.5
20°-30°	481.3	16.9
30°-40°	544.2	19.1
40°-50°	504.8	17.7
50°-60°	392.2	13.8
60°-70°	263.0	9.2
70°-80°	157.6	5.5
80°-90°	59.9	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°	922.9	32.4
0°-40°	1467.2	51.6
0°-60°	2364.2	83.1
0°-90°	2844.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2844.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1218	1218	1218	1218	1218	
5°	1216	1213	1211	1210	1214	115
15°	1164	1159	1158	1156	1161	328
25°	1050	1048	1046	1044	1047	483
35°	881	877	874	868	866	549
45°	666	663	654	644	642	515
55°	453	447	437	426	423	406
65°	276	268	258	257	260	276
75°	151	146	143	150	157	160
85°	56	53	53	62	62	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1218.0	1218.0	1218.0	1218.0	1218.0
2.5°	1220.6	1216.7	1214.9	1214.0	1218.0
5°	1216.2	1212.8	1210.6	1209.7	1214.0
7.5°	1208.4	1204.4	1203.1	1201.3	1205.8
10°	1196.5	1193.0	1191.3	1189.9	1195.6
12.5°	1181.6	1178.5	1176.8	1175.9	1179.4
15°	1163.6	1158.8	1158.3	1156.2	1161.0
17.5°	1141.2	1136.9	1136.0	1135.1	1138.1
20°	1115.4	1111.0	1108.7	1108.4	1113.2
22.5°	1084.3	1081.2	1082.0	1079.4	1082.9
25°	1049.6	1048.2	1046.0	1044.3	1047.0
27.5°	1013.6	1009.2	1009.2	1005.7	1008.4
30°	972.3	969.3	966.7	963.1	965.0
32.5°	925.9	924.6	920.6	917.1	918.0
35°	880.7	877.2	873.7	868.4	865.8
37.5°	828.9	825.5	821.1	813.6	812.7
40°	776.3	773.2	766.2	758.3	758.8
42.5°	726.4	721.5	712.7	702.2	700.0
45°	665.8	663.2	653.9	643.8	641.6
47.5°	611.9	610.1	598.7	588.1	585.5
50°	557.9	553.1	543.5	532.9	527.2
52.5°	504.9	498.7	486.4	479.4	476.7
55°	452.6	447.4	436.9	425.9	423.2
57.5°	403.9	398.2	385.6	377.7	376.3
60°	357.4	352.2	338.6	332.9	332.4
62.5°	316.2	307.5	298.2	294.3	294.7
65°	276.3	267.5	257.9	257.0	259.6
67.5°	241.2	232.0	222.4	225.9	228.5
70°	205.7	199.1	193.8	199.6	203.1
72.5°	175.4	171.5	166.7	174.5	178.9
75°	151.3	146.1	143.4	150.4	156.6
77.5°	125.4	121.0	121.0	128.5	135.0
80°	101.7	98.6	99.1	107.9	111.8
82.5°	79.8	75.4	75.9	86.8	89.5
85°	56.1	52.6	53.1	62.2	61.9
87.5°	29.4	28.0	29.4	35.9	34.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)