

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: P213875

Luminaire Tested: **22GR-LD5-40-A125-UNV-L950-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P213875
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-LD5-40-A125-UNV-L950-CD1-U
Description: METALUX GR 2X2 LED TROFFER WITH A125 LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4094.1 lumens
Efficiency: N/A
Efficacy: 105.5 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

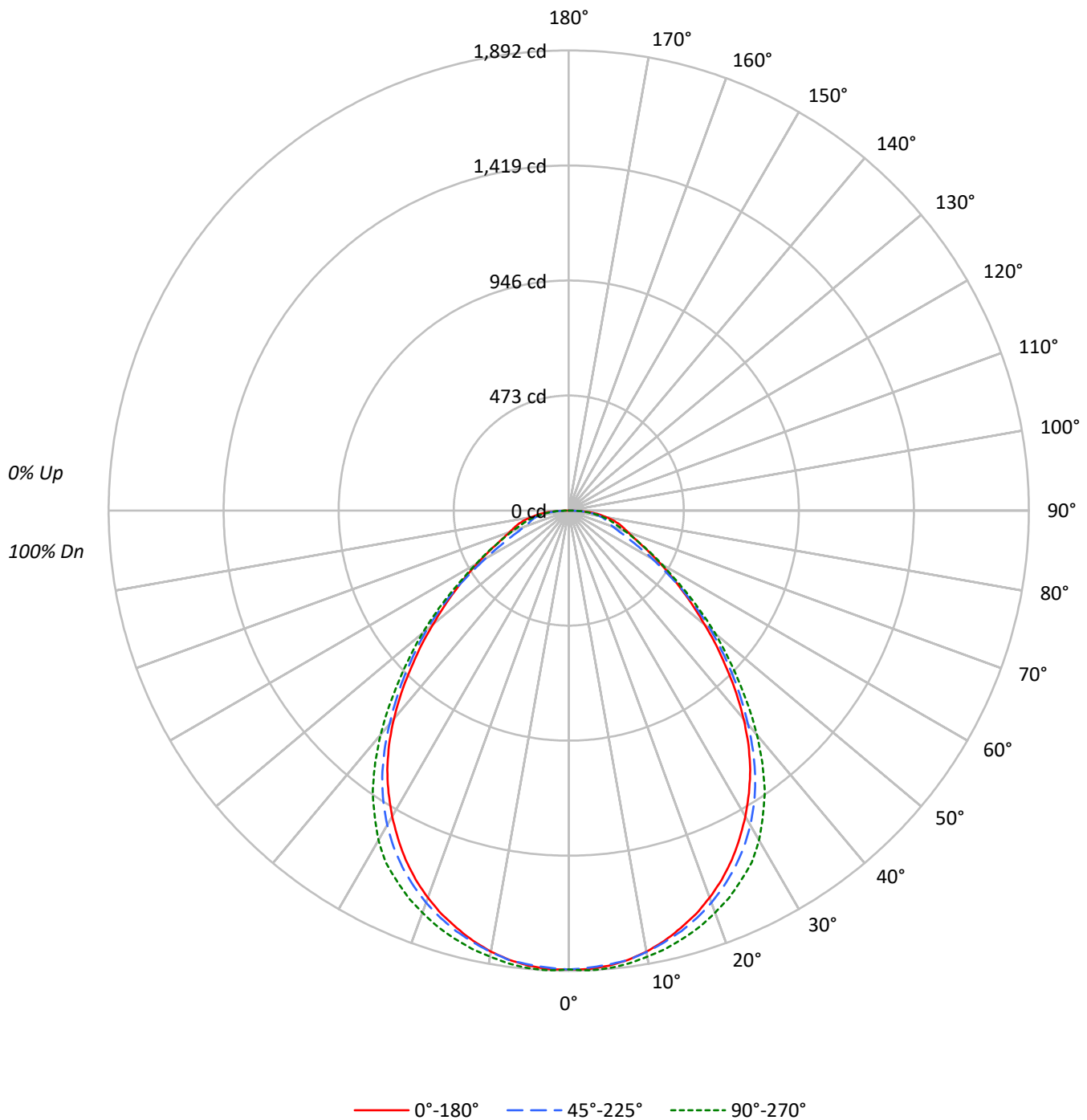
Input Watts (W): 38.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P213875

CATALOG NUMBER: 22GR-LD5-40-A125-UNV-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P213875

CATALOG NUMBER: 22GR-LD5-40-A125-UNV-L950-CD1-U

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	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64		
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56		
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	49		
6	74	61	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	52	46	41	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	34	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	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6044	6044	6044
5°	6039	6024	6073
10°	5988	5994	6056
15°	5893	5934	6035
20°	5771	5846	5996
25°	5602	5717	5926
30°	5369	5521	5786
35°	5086	5228	5493
40°	4677	4793	5032
45°	4155	4306	4462
50°	3629	3795	3910
55°	3155	3198	3315
60°	2775	2543	2831
65°	2467	2033	2481
70°	2422	1805	2287
75°	2645	1983	2339
80°	2905	2359	2501
85°	3472	2734	2804



TEST NUMBER: P213875

CATALOG NUMBER: 22GR-LD5-40-A125-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.4	4.4
10°-20°	505.8	12.4
20°-30°	746.7	18.2
30°-40°	835.5	20.4
40°-50°	733.7	17.9
50°-60°	519.2	12.7
60°-70°	302.2	7.4
70°-80°	188.3	4.6
80°-90°	84.2	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°	1430.8	34.9
0°-40°	2266.4	55.4
0°-60°	3519.3	86.0
0°-90°	4094.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4094.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1887	1887	1887	1887	1887	
5°	1879	1874	1874	1883	1889	178
15°	1777	1781	1790	1809	1820	501
25°	1586	1592	1618	1656	1677	728
35°	1301	1307	1337	1378	1405	809
45°	917	928	951	974	985	710
55°	565	577	573	583	594	511
65°	326	300	268	292	327	330
75°	214	184	160	164	189	223
85°	94	98	74	72	76	96
90°	0	0	0	0	0	



TEST NUMBER: P213875

CATALOG NUMBER: 22GR-LD5-40-A125-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1887.2	1887.2	1887.2	1887.2	1887.2
2.5°	1887.2	1883.3	1881.4	1888.2	1892.0
5°	1878.6	1873.8	1873.8	1883.3	1889.1
7.5°	1863.3	1858.5	1864.2	1872.9	1878.6
10°	1841.4	1839.5	1843.3	1854.8	1862.3
12.5°	1812.7	1813.6	1817.5	1835.7	1845.2
15°	1777.4	1781.2	1789.8	1808.9	1820.4
17.5°	1739.2	1742.1	1755.5	1777.4	1793.6
20°	1693.4	1699.2	1715.4	1743.0	1759.3
22.5°	1642.8	1649.5	1669.6	1703.0	1723.0
25°	1585.5	1592.2	1618.0	1656.2	1677.1
27.5°	1520.6	1531.1	1559.7	1601.8	1630.4
30°	1451.9	1460.5	1492.9	1540.6	1564.6
32.5°	1378.4	1388.9	1419.4	1465.3	1486.2
35°	1301.0	1306.8	1337.3	1377.5	1405.1
37.5°	1213.2	1216.1	1244.8	1282.0	1306.8
40°	1118.8	1120.7	1146.4	1181.7	1203.7
42.5°	1020.5	1021.4	1049.0	1075.8	1094.9
45°	917.4	927.8	950.8	973.7	985.1
47.5°	824.7	832.4	853.4	873.4	883.9
50°	728.4	747.4	761.8	772.2	784.7
52.5°	645.3	661.5	665.3	677.8	688.2
55°	565.1	576.6	572.8	583.2	593.8
57.5°	497.3	491.6	479.2	497.3	510.7
60°	433.3	418.1	397.1	421.9	442.0
62.5°	376.1	351.3	325.5	350.4	383.7
65°	325.5	299.8	268.3	292.1	327.4
67.5°	287.3	260.6	223.4	247.2	282.6
70°	258.7	231.0	192.8	212.8	244.3
72.5°	235.8	206.2	172.8	186.1	212.8
75°	213.8	184.3	160.3	164.2	189.0
77.5°	188.0	166.1	147.0	145.1	164.2
80°	157.5	150.8	127.9	125.0	135.6
82.5°	129.9	126.9	105.0	102.1	105.9
85°	94.5	98.3	74.4	72.5	76.3
87.5°	49.6	54.4	39.1	41.0	42.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)