

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: P234065

Luminaire Tested: **14GR-LD5-60-A125-UNV-L930-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P234065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33315)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/12/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14GR-LD5-60-A125-UNV-L930-CD1-U
Description: METALUX 1X4 GRLED TROFFER
WITH A125 LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4865.9 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.21 / 1.26
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

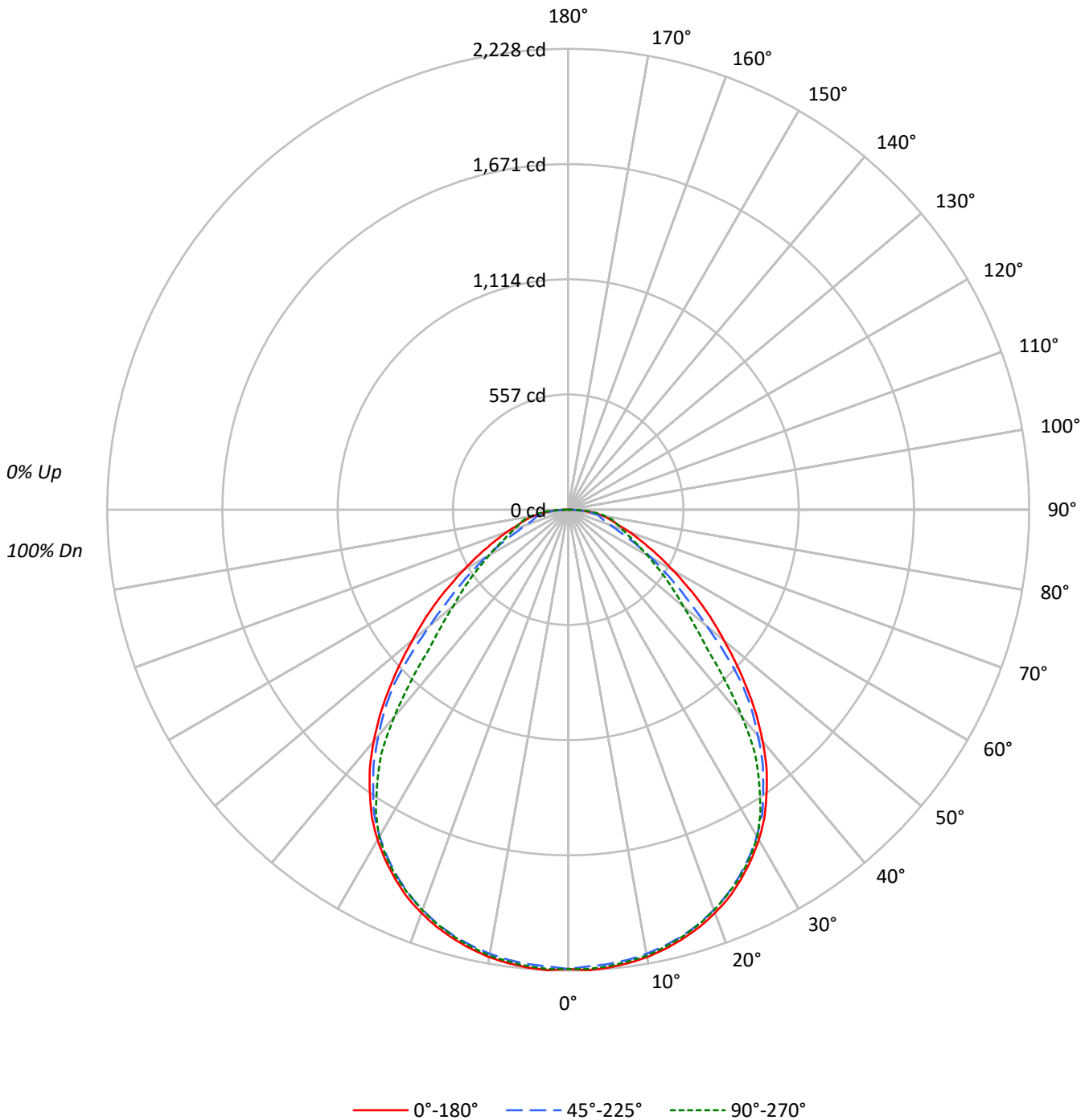
Input Watts (W): 59.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P234065

CATALOG NUMBER: 14GR-LD5-60-A125-UNV-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P234065

CATALOG NUMBER: 14GR-LD5-60-A125-UNV-L930-CD1-U

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	82	99	92	86	82	88	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44
7	69	56	48	43	67	56	48	42	54	47	42	53	47	42	52	46	42	40
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	35	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7482	7482	7482
5°	7518	7461	7495
10°	7516	7458	7489
15°	7490	7443	7454
20°	7440	7384	7391
25°	7341	7273	7295
30°	7172	7093	7111
35°	6877	6761	6617
40°	6430	6272	5755
45°	5820	5654	4513
50°	5148	4574	3805
55°	4556	3760	3356
60°	3934	3111	2975
65°	3420	2475	2736
70°	3092	2124	2736
75°	2968	2220	3057
80°	3308	2825	3570
85°	3491	3012	4276



TEST NUMBER: P234065

CATALOG NUMBER: 14GR-LD5-60-A125-UNV-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.6	4.3
10°-20°	603.6	12.4
20°-30°	903.3	18.6
30°-40°	1022.6	21.0
40°-50°	871.0	17.9
50°-60°	589.7	12.1
60°-70°	352.1	7.2
70°-80°	220.0	4.5
80°-90°	93.0	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°	1717.6	35.3
0°-40°	2740.1	56.3
0°-60°	4200.9	86.3
0°-90°	4865.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4865.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2220	2220	2220	2220	2220	
5°	2223	2217	2206	2219	2216	211
15°	2147	2139	2134	2147	2137	606
25°	1974	1969	1956	1965	1962	908
35°	1672	1662	1644	1627	1609	1042
45°	1221	1225	1186	1011	947	942
55°	776	733	640	571	571	693
65°	429	358	310	332	343	432
75°	228	204	170	224	235	246
85°	90	84	78	98	111	97
90°	0	0	0	0	0	



TEST NUMBER: P234065

CATALOG NUMBER: 14GR-LD5-60-A125-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2220.5	2220.5	2220.5	2220.5	2220.5
2.5°	2228.4	2222.7	2210.3	2225.0	2222.7
5°	2222.7	2217.1	2205.8	2219.3	2215.9
7.5°	2211.5	2205.8	2195.6	2209.2	2203.6
10°	2196.8	2190.0	2179.8	2194.5	2188.9
12.5°	2174.2	2167.4	2158.4	2173.0	2165.1
15°	2147.1	2139.2	2133.5	2147.1	2136.9
17.5°	2114.3	2107.6	2099.7	2113.3	2101.9
20°	2074.8	2069.2	2059.1	2066.9	2061.3
22.5°	2029.7	2021.8	2011.6	2020.6	2012.8
25°	1974.4	1968.8	1956.3	1965.4	1962.0
27.5°	1911.2	1907.8	1893.1	1904.4	1898.7
30°	1843.4	1834.4	1823.1	1826.5	1827.7
32.5°	1765.5	1754.2	1745.2	1737.3	1729.4
35°	1671.9	1661.7	1643.6	1626.7	1608.6
37.5°	1574.8	1561.2	1543.1	1505.9	1483.3
40°	1461.9	1455.1	1425.8	1373.8	1308.3
42.5°	1346.8	1340.0	1314.0	1197.7	1126.6
45°	1221.4	1224.8	1186.4	1011.4	947.1
47.5°	1101.7	1110.8	1027.3	863.6	829.8
50°	982.1	992.3	872.6	746.2	725.8
52.5°	877.1	869.3	743.9	654.7	645.7
55°	775.6	732.6	640.1	571.2	571.2
57.5°	671.6	610.7	544.1	500.1	500.1
60°	583.7	508.0	461.7	432.3	441.4
62.5°	502.3	422.2	382.7	377.1	388.4
65°	428.9	357.8	310.4	331.9	343.2
67.5°	369.1	305.9	255.1	300.3	307.0
70°	313.8	266.4	215.6	276.6	277.7
72.5°	263.0	234.8	185.2	250.6	255.1
75°	228.0	204.3	170.5	223.5	234.8
77.5°	199.8	175.0	156.9	193.1	214.5
80°	170.5	143.3	145.6	162.6	184.0
82.5°	131.0	110.6	115.1	133.2	150.1
85°	90.3	83.5	77.9	98.2	110.6
87.5°	48.6	45.2	39.5	55.3	56.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)