

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: P219085

Luminaire Tested: **24GR-LD5-34-A-UNV-L930-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P219085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33306)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/12/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24GR-LD5-34-A-UNV-L930-CD1-U
Description: METALUX GR 2X4 LED TROFFER WITH A LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2821.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.2 / 1.26
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

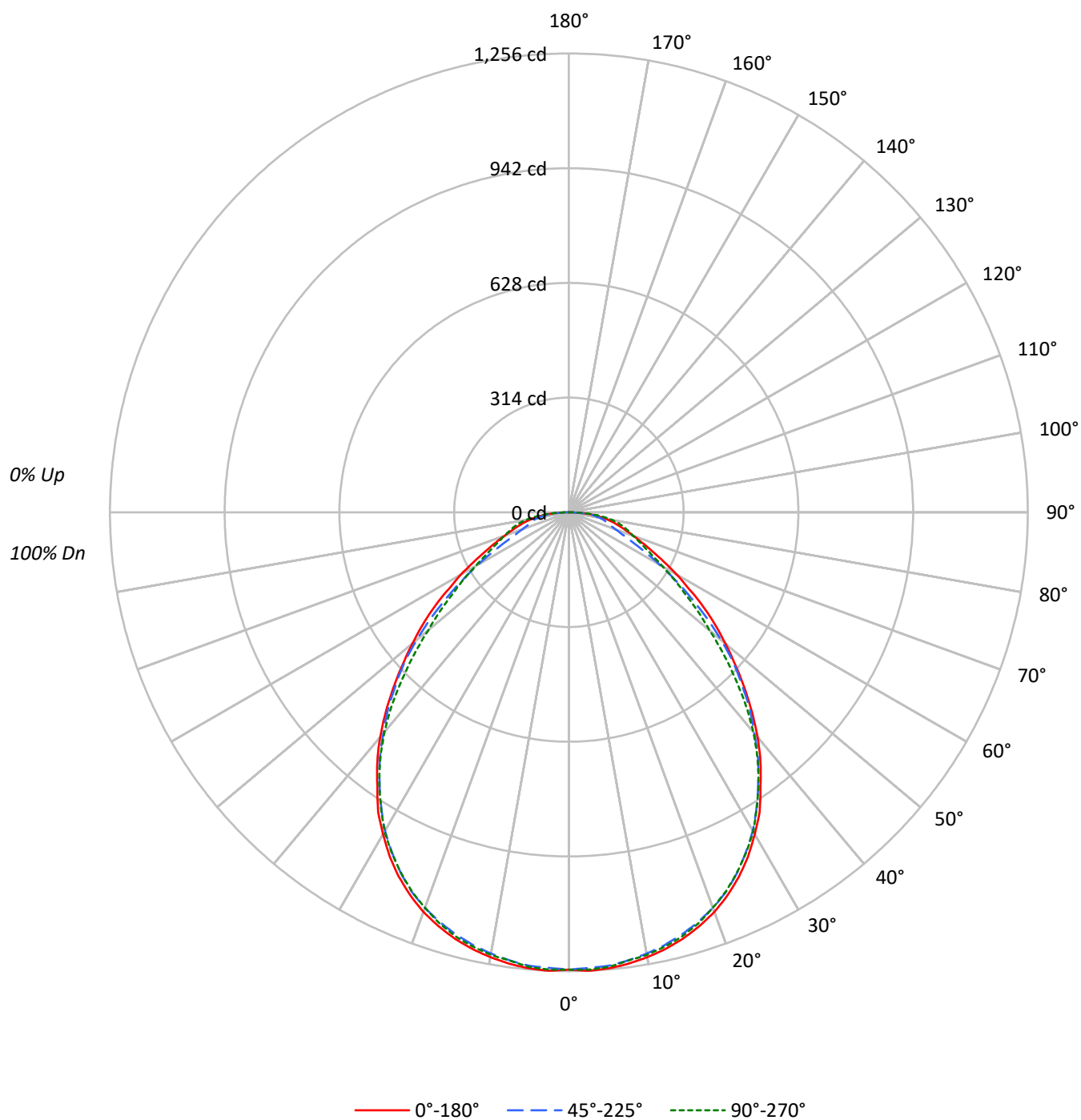
Input Watts (W): 26.756
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	69	90	81	74	69	79	73	68	76	71	67	73	69	65	63		
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	53	46	72	60	52	46	58	51	46	57	50	45	55	49	45	43		
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39		
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	35		
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	38	33	32		
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1917	1917	1917
5°	1926	1916	1920
10°	1923	1907	1913
15°	1915	1896	1905
20°	1897	1878	1878
25°	1860	1841	1839
30°	1799	1780	1784
35°	1709	1689	1692
40°	1607	1579	1569
45°	1473	1453	1395
50°	1331	1295	1197
55°	1195	1088	1032
60°	1047	876	908
65°	913	689	835
70°	835	601	835
75°	836	640	921
80°	907	753	1050
85°	996	851	1125



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	4.2
10°-20°	338.3	12.0
20°-30°	501.6	17.8
30°-40°	565.8	20.1
40°-50°	512.5	18.2
50°-60°	369.7	13.1
60°-70°	220.7	7.8
70°-80°	136.4	4.8
80°-90°	57.5	2.0
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°	958.3	34.0
0°-40°	1524.2	54.0
0°-60°	2406.3	85.3
0°-90°	2821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2821.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1252	1252	1252	1252	1252	
5°	1253	1251	1246	1245	1249	119
15°	1208	1201	1196	1196	1201	341
25°	1101	1095	1089	1085	1088	506
35°	914	913	903	904	905	572
45°	680	676	671	654	644	524
55°	448	434	408	387	386	400
65°	252	222	190	216	230	253
75°	141	122	108	135	156	151
85°	57	50	48	63	64	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1251.6	1251.6	1251.6	1251.6	1251.6
2.5°	1256.0	1252.6	1248.1	1250.7	1253.0
5°	1253.0	1251.2	1246.0	1244.7	1249.0
7.5°	1246.4	1242.1	1237.3	1239.4	1237.7
10°	1236.4	1232.5	1226.4	1226.8	1229.8
12.5°	1224.2	1219.4	1212.9	1214.6	1217.2
15°	1208.0	1200.6	1195.9	1196.3	1201.1
17.5°	1187.6	1181.9	1175.8	1177.1	1179.3
20°	1164.1	1161.0	1152.3	1149.6	1151.9
22.5°	1134.4	1128.7	1124.0	1122.7	1123.1
25°	1100.8	1094.8	1089.1	1085.2	1088.2
27.5°	1061.7	1056.4	1049.0	1047.7	1050.3
30°	1017.2	1013.3	1006.7	1005.0	1008.9
32.5°	971.9	965.3	956.2	956.2	957.0
35°	913.9	912.6	903.4	903.9	904.7
37.5°	861.6	855.5	850.3	845.0	847.6
40°	803.6	796.6	789.7	786.2	784.9
42.5°	741.3	736.1	733.0	720.4	717.3
45°	679.9	675.5	670.7	654.1	644.1
47.5°	617.1	616.2	612.3	583.1	573.1
50°	558.7	557.4	543.4	512.5	502.5
52.5°	503.4	494.6	476.3	445.8	444.1
55°	447.6	433.6	407.5	387.4	386.5
57.5°	388.8	372.2	345.6	334.7	340.4
60°	341.7	316.4	285.9	287.2	296.3
62.5°	292.9	264.5	234.4	247.6	258.5
65°	251.9	221.8	190.0	215.7	230.5
67.5°	216.2	188.3	157.8	192.2	206.6
70°	186.5	163.8	134.2	170.4	186.5
72.5°	163.0	142.1	119.0	152.9	171.7
75°	141.2	122.4	108.1	134.6	155.6
77.5°	122.4	104.1	97.7	119.0	139.5
80°	102.8	86.3	85.4	103.7	119.0
82.5°	80.2	68.9	68.9	86.8	95.9
85°	56.7	49.7	48.4	63.2	64.0
87.5°	29.2	27.9	25.3	33.1	33.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)