

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: P293333

Luminaire Tested: **24GR-LD5-30-F125-UNV-L92765-W2A1-U-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P293333  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33304)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24GR-LD5-30-F125-UNV-L92765-W2A1-U-3000K  
Description: GRLED 2x4 TUNABLE WHITE TROFFER  
WITH F125 LENS  
Light Source: (336) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2484.0 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.19 / 1.27  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

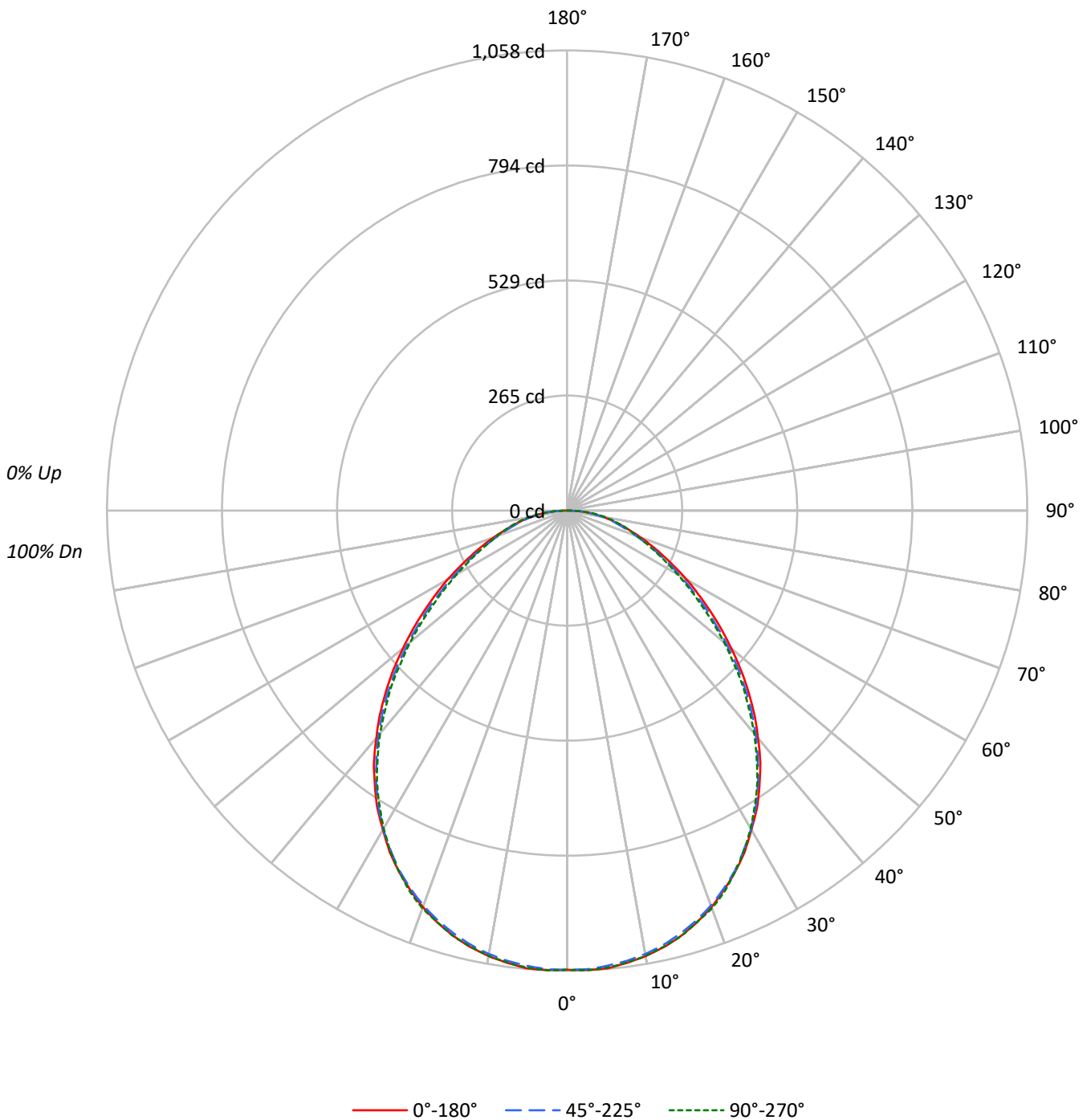
Input Watts (W): 19.809  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	92	90	91	89	87	85
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	70	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°	1420	1420	1420
5°	1427	1419	1425
10°	1421	1414	1421
15°	1410	1402	1411
20°	1389	1384	1394
25°	1359	1356	1359
30°	1316	1314	1311
35°	1267	1257	1252
40°	1199	1185	1176
45°	1122	1101	1087
50°	1030	1003	986
55°	940	905	879
60°	854	808	787
65°	769	726	713
70°	704	658	677
75°	658	628	674
80°	653	641	704
85°	665	672	767



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.9	4.0
10°-20°	284.1	11.4
20°-30°	419.6	16.9
30°-40°	477.1	19.2
40°-50°	445.5	17.9
50°-60°	346.5	13.9
60°-70°	229.9	9.3
70°-80°	133.1	5.4
80°-90°	48.4	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°	803.6	32.4
0°-40°	1280.7	51.6
0°-60°	2072.7	83.4
0°-90°	2484.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2484.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1056	1056	1056	1056	1056	
5°	1056	1051	1051	1053	1055	100
15°	1012	1007	1007	1006	1013	285
25°	916	912	913	911	915	421
35°	771	767	765	760	762	481
45°	589	585	578	571	572	454
55°	401	395	386	376	375	359
65°	242	234	228	224	224	241
75°	127	124	121	126	130	135
85°	43	42	44	49	50	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1057.3	1054.1	1055.7	1054.5	1058.0
5°	1056.5	1051.0	1050.7	1052.6	1054.9
7.5°	1049.1	1043.3	1044.4	1044.4	1048.3
10°	1040.2	1034.3	1035.1	1035.5	1039.8
12.5°	1028.1	1022.3	1022.7	1022.3	1026.6
15°	1012.2	1007.2	1006.8	1006.4	1013.0
17.5°	992.8	985.8	988.1	988.5	992.0
20°	970.3	964.8	966.4	966.0	973.4
22.5°	943.5	939.6	940.8	940.0	947.0
25°	915.5	911.7	913.2	911.3	915.1
27.5°	884.1	881.4	879.8	878.6	881.4
30°	847.2	845.6	845.6	840.6	843.7
32.5°	812.3	807.2	807.2	805.3	803.3
35°	771.1	767.2	765.3	759.8	762.2
37.5°	729.9	721.0	720.2	716.0	716.0
40°	682.6	677.5	674.8	670.1	669.4
42.5°	637.5	632.5	627.8	620.1	618.5
45°	589.4	584.7	578.5	571.1	571.5
47.5°	541.6	535.0	529.2	520.3	519.1
50°	492.3	487.7	479.1	471.4	471.0
52.5°	446.1	438.7	431.0	421.7	421.7
55°	400.7	394.9	385.9	375.8	374.7
57.5°	357.2	351.8	341.7	334.3	332.4
60°	317.2	309.4	300.1	293.9	292.4
62.5°	277.2	270.2	263.2	257.0	256.6
65°	241.5	234.1	227.9	223.6	224.0
67.5°	209.3	203.1	196.1	194.9	195.3
70°	179.0	172.4	167.3	170.1	172.0
72.5°	150.3	146.8	143.3	147.2	149.9
75°	126.6	123.5	120.8	126.2	129.7
77.5°	104.8	102.5	102.1	106.8	109.9
80°	84.3	81.5	82.7	88.1	90.9
82.5°	64.1	62.1	62.5	69.1	71.1
85°	43.1	42.3	43.5	49.3	49.7
87.5°	22.9	22.9	23.7	27.2	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)