

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: Fail-Safe

Report Number: CRT2007161432-016-001 WG

Luminaire Tested: **GSL-1GUV4-R1-WG/SNF-4FT**

Test Date: 7/31/20

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-41-14
Report Number: CRT2007161432-016-001 WG
The data set was measured in RADIOMETRIC UNITS. The following applies
Test Lab: Intertek Cortland
Test Date: 7/31/20
Issue Date: 7/31/20
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: Fail-Safe
Catalog Number: GSL-1GUV4-R1-WG/SNF-4FT
Description: GLS Strip Luminaire with Wire Guard
Light Source: 1 Philips TUV 36W/G36 T8
Ballast/Driver: -

Luminaire Equipment:	<u>Sample No.</u>	<u>Condition</u>	<u>Description</u>
	AS-5443-1	Good	WHITE TWIN R-EVOLVE FLOOD
	AS-5443-2	Good	REFLECTOR
	AS-5443-3	Good	DRIVER
	AS-5443-4	Good	UPPER MODULE
	AS-5443-5	Good	LENS
	AS-5443-6	Good	DRIVER 2
	AS-5443-7	Good	TRIM RING

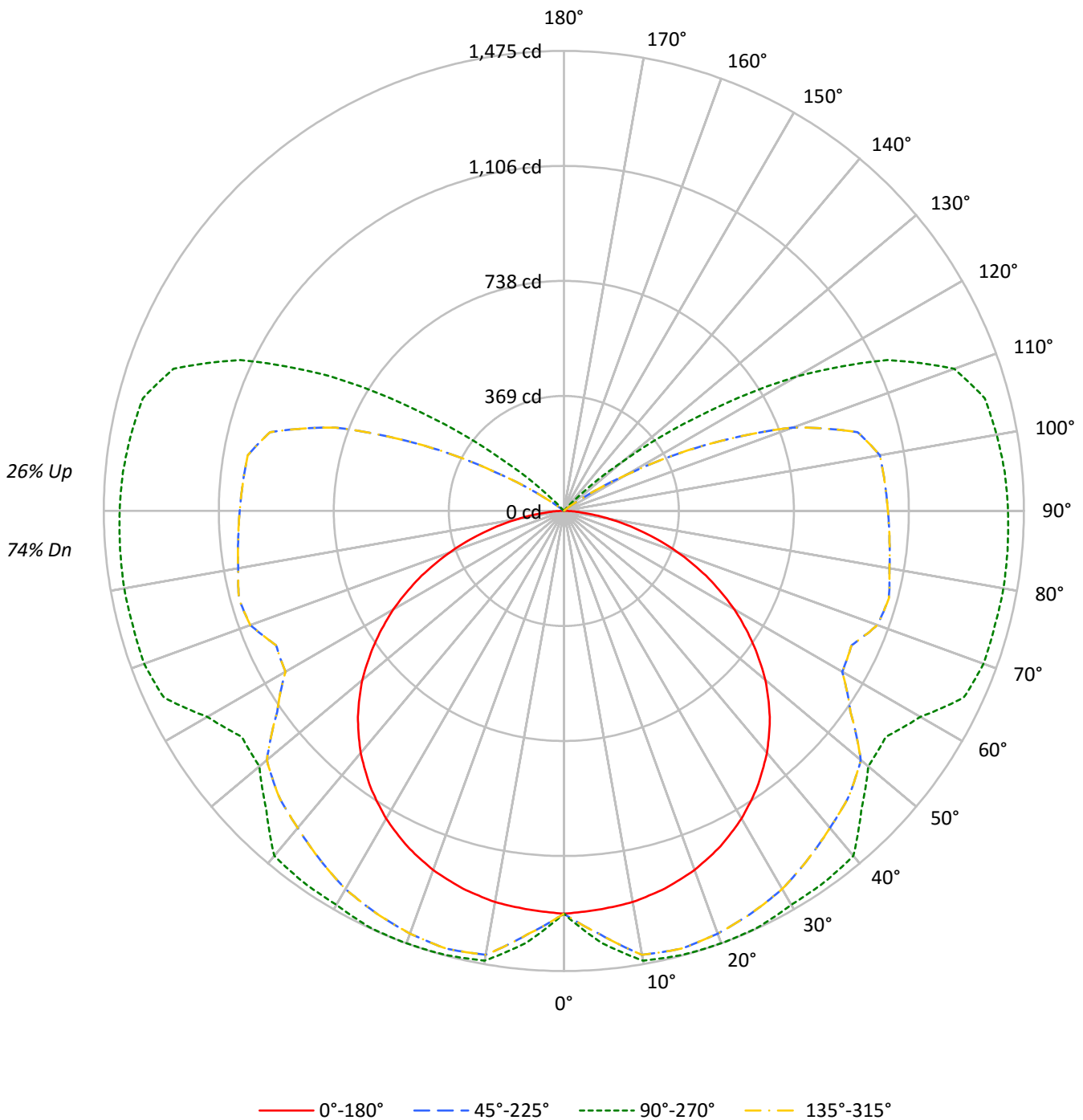
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9458.3 lumens
Efficiency: N/A
Efficacy: 287.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.68 / 1.7
Luminous Opening: Rectangular (W 0.23' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 32.96
Input Voltage (V): NR
Input Current (A_{in}): 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	113	113	113	113	107	107	107	107	96	96	96	87	87	87	78	78	78	74
1	98	92	86	80	92	87	81	76	77	73	69	69	65	62	61	58	56	52
2	88	78	69	62	82	73	66	59	65	59	54	58	53	49	51	47	44	40
3	79	67	57	50	74	63	55	48	56	49	43	50	44	39	44	39	35	32
4	72	58	49	41	67	55	46	39	49	42	36	44	38	33	39	34	30	26
5	66	52	42	35	61	49	40	33	44	36	30	39	33	28	34	29	25	22
6	60	46	37	30	57	44	35	29	39	32	26	35	29	24	31	26	22	19
7	56	41	32	26	52	39	31	25	35	28	23	32	26	21	28	23	19	16
8	52	38	29	23	49	36	28	22	32	25	20	29	23	18	26	21	17	14
9	48	34	26	20	45	33	25	19	30	23	18	27	21	16	24	19	15	13
10	45	31	23	18	42	30	22	17	27	21	16	25	19	15	22	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15105	15105	15105	15105
5°	15068	16325	15068	16325
10°	15124	17393	15124	17393
15°	15177	17842	15177	17842
20°	15252	18365	15252	18365
25°	15323	19016	15323	19016
30°	15388	19697	15388	19697
35°	15440	20767	15440	20767
40°	15472	22054	15472	22054
45°	15454	22337	15454	22337
50°	15362	23189	15362	23189
55°	15095	25722	15095	25722
60°	14765	30888	14765	30888
65°	14202	39173	14202	39173
70°	13307	48986	13307	48986
75°	12025	64643	12025	64643
80°	10039	96417	10039	96417
85°	7249	191697	7249	191697



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.5	1.4
10°-20°	401.6	4.2
20°-30°	644.5	6.8
30°-40°	837.1	8.9
40°-50°	951.5	10.1
50°-60°	972.7	10.3
60°-70°	1009.2	10.7
70°-80°	1014.7	10.7
80°-90°	994.9	10.5
90°-100°	969.1	10.2
100°-110°	835.9	8.8
110°-120°	509.2	5.4
120°-130°	171.3	1.8
130°-140°	16.0	0.2
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°	1176.6	12.4
0°-40°	2013.7	21.3
0°-60°	3937.8	41.6
0°-90°	6956.7	73.6
90°-120°	2314.2	24.5
90°-150°	2501.6	26.4
90°-180°	2502.0	26.5
0°-180°	9458.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1291	1291	1291	1291	1291	
5°	1283	1390	1283	1390	1283	122
15°	1253	1473	1253	1473	1253	354
25°	1187	1473	1187	1473	1187	547
35°	1081	1454	1081	1454	1081	676
45°	934	1350	934	1350	934	720
55°	740	1261	740	1261	740	661
65°	513	1415	513	1415	513	507
75°	266	1430	266	1430	266	282
85°	54	1428	54	1428	54	67
90°	12	1424	12	1424	12	12
95°	8	1419	8	1419	8	7
105°	6	1397	6	1397	6	5
115°	0	1145	0	1145	0	0
125°	0	532	0	532	0	0
135°	0	57	0	57	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291
5°	1283	1326	1364	1392	1390	1392	1364	1326	1283	1326	1364
10°	1273	1360	1445	1466	1464	1466	1445	1360	1273	1360	1445
15°	1253	1395	1453	1474	1473	1474	1453	1395	1253	1395	1453
20°	1225	1395	1442	1470	1475	1470	1442	1395	1225	1395	1442
25°	1187	1366	1423	1465	1473	1465	1423	1366	1187	1366	1423
30°	1139	1327	1400	1445	1458	1445	1400	1327	1139	1327	1400
35°	1081	1273	1364	1433	1454	1433	1364	1273	1081	1273	1364
40°	1013	1214	1327	1422	1444	1422	1327	1214	1013	1214	1327
45°	934	1146	1293	1352	1350	1352	1293	1146	934	1146	1293
50°	844	1067	1243	1256	1274	1256	1243	1067	844	1067	1243
55°	740	974	1122	1207	1261	1207	1122	974	740	974	1122
60°	631	884	1031	1239	1320	1239	1031	884	631	884	1031
65°	513	786	1018	1318	1415	1318	1018	786	513	786	1018
70°	389	634	1070	1355	1432	1355	1070	634	389	634	1070
75°	266	546	1079	1347	1430	1347	1079	546	266	546	1079
80°	149	546	1060	1344	1431	1344	1060	546	149	546	1060
85°	54	507	1048	1339	1428	1339	1048	507	54	507	1048
90°	12	491	1039	1333	1424	1333	1039	491	12	491	1039
95°	8	493	1033	1327	1419	1327	1033	493	8	493	1033
100°	6	443	1029	1318	1409	1318	1029	443	6	443	1029
105°	6	233	975	1304	1397	1304	975	233	6	233	975
110°	0	55	781	1207	1332	1207	781	55	0	55	781
115°	0	0	497	991	1145	991	497	0	0	0	497
120°	0	0	229	690	862	690	229	0	0	0	229
125°	0	0	56	382	532	382	56	0	0	0	56
130°	0	0	0	141	244	141	0	0	0	0	0
135°	0	0	0	0	57	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1291	1291	1291	1291	1291	1291
5°	1392	1390	1392	1364	1326	1283
10°	1466	1464	1466	1445	1360	1273
15°	1474	1473	1474	1453	1395	1253
20°	1470	1475	1470	1442	1395	1225
25°	1465	1473	1465	1423	1366	1187
30°	1445	1458	1445	1400	1327	1139
35°	1433	1454	1433	1364	1273	1081
40°	1422	1444	1422	1327	1214	1013
45°	1352	1350	1352	1293	1146	934
50°	1256	1274	1256	1243	1067	844
55°	1207	1261	1207	1122	974	740
60°	1239	1320	1239	1031	884	631
65°	1318	1415	1318	1018	786	513
70°	1355	1432	1355	1070	634	389
75°	1347	1430	1347	1079	546	266
80°	1344	1431	1344	1060	546	149
85°	1339	1428	1339	1048	507	54
90°	1333	1424	1333	1039	491	12
95°	1327	1419	1327	1033	493	8
100°	1318	1409	1318	1029	443	6
105°	1304	1397	1304	975	233	6
110°	1207	1332	1207	781	55	0
115°	991	1145	991	497	0	0
120°	690	862	690	229	0	0
125°	382	532	382	56	0	0
130°	141	244	141	0	0	0
135°	0	57	0	0	0	0
140°	0	0	0	0	0	0
145°	0	0	0	0	0	0
150°	0	0	0	0	0	0
155°	0	0	0	0	0	0
160°	0	0	0	0	0	0
165°	0	0	0	0	0	0
170°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

(END OF REPORT)