

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: CORELITE

Report Number: 26349

Luminaire Tested: **I2-WB-3T8-1C-UNV-04**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 26349
Test Lab: LIGHTING SCIENCES, INC.
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I2-WB-3T8-1C-UNV-04
Description: WITH WHITE INTERIOR AND 28 CELL SEMI-SPECULAR PARABOLIC LOUVER

Light Source: THREE SYLVANIA 32 WATT T8 LAMPS
FO32/835/ECO. LUMEN RATING = 2950 LMS.

Ballast/Driver: -

Summary

Lumens per Lamp: 2950 (3 lamps)
Luminaire Lumens: 7870.2 lumens
Efficiency: 88.9%
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.37 / 1.35
Luminous Opening: Rectangular (W 0.31' x L: 3.67' x H: 0')
CIE Type: Semi-Indirect

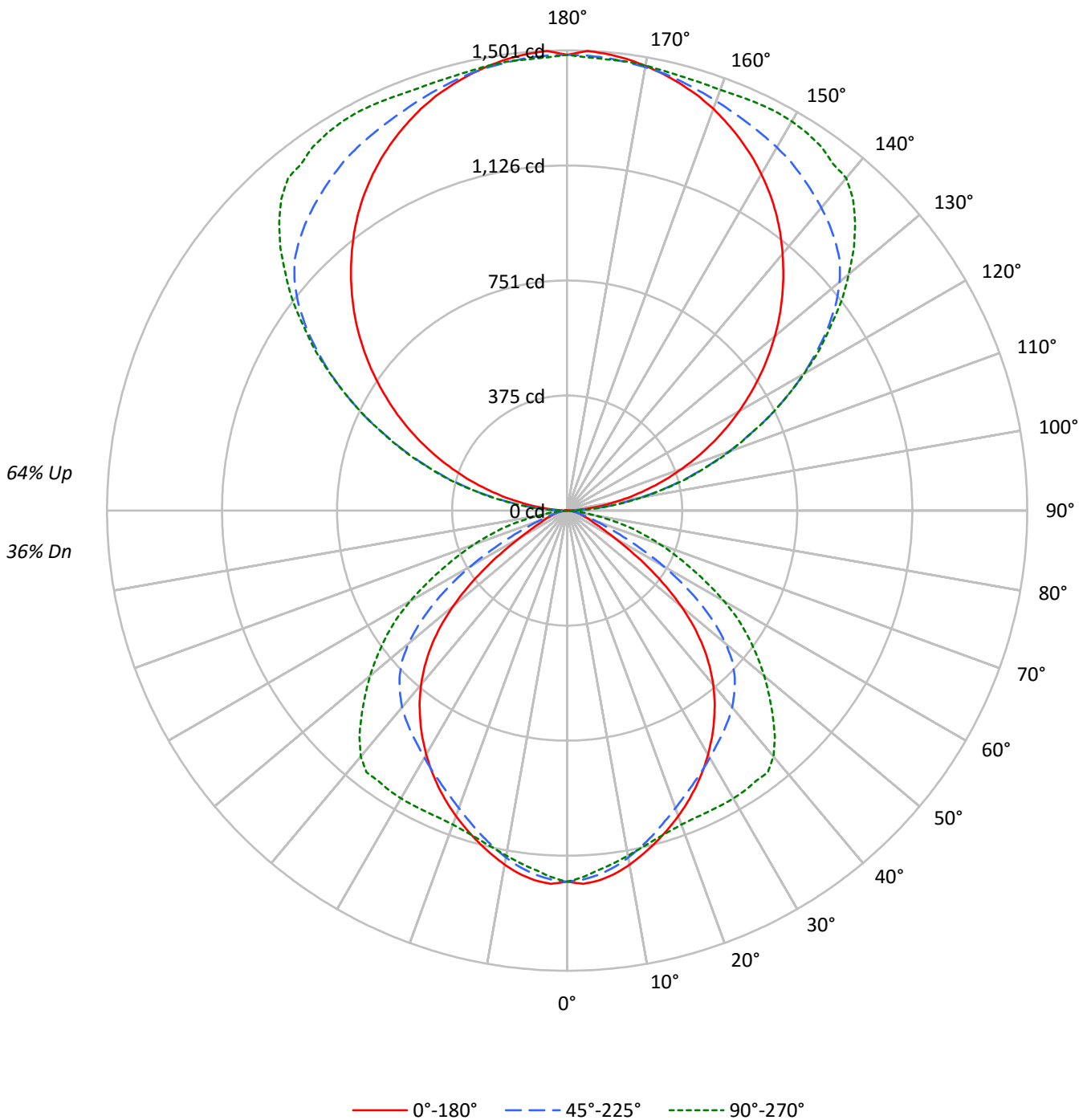
Input Watts (W): 91
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	92	92	92	84	84	84	84	67	67	67	52	52	52	39	39	39	32
1	85	81	78	75	77	74	71	68	60	58	56	47	46	44	35	34	33	28
2	77	71	66	62	70	65	60	57	53	50	47	41	39	38	31	30	29	24
3	71	63	57	52	64	57	52	48	47	43	40	37	34	32	28	26	25	21
4	65	56	49	44	58	51	45	40	41	37	34	33	30	28	25	23	21	18
5	59	49	43	37	54	45	39	35	37	33	29	29	26	24	22	20	19	16
6	55	44	37	32	49	41	34	30	33	29	25	27	23	21	20	18	16	14
7	50	40	33	28	46	37	31	26	30	26	22	24	21	18	19	16	15	12
8	47	36	30	25	42	33	27	23	27	23	20	22	19	16	17	15	13	11
9	43	33	26	22	39	30	25	21	25	21	18	20	17	15	16	13	12	10
10	41	30	24	20	37	28	22	18	23	19	16	19	15	13	15	12	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11453	11453	11453
5°	11497	11320	11175
10°	11269	11040	10978
15°	10966	10699	10877
20°	10677	10402	10976
25°	10376	10223	11327
30°	10043	10171	11846
35°	9652	10227	12422
40°	9157	10342	12931
45°	8403	10345	12700
50°	7156	9946	12357
55°	5325	8808	11929
60°	3378	6869	11194
65°	2257	4511	10007
70°	1798	2669	8941
75°	1645	1784	7768
80°	1536	1286	5171
85°	1216	912	2475



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	112.7	1.4	1.3
10°-20°	311.3	4.0	3.5
20°-30°	465.1	5.9	5.3
30°-40°	571.9	7.3	6.5
40°-50°	590.2	7.5	6.7
50°-60°	460.9	5.9	5.2
60°-70°	240.2	3.1	2.7
70°-80°	86.9	1.1	1.0
80°-90°	15.6	0.2	0.2
90°-100°	114.1	1.4	1.3
100°-110°	404.8	5.1	4.6
110°-120°	685.2	8.7	7.7
120°-130°	870.1	11.1	9.8
130°-140°	919.5	11.7	10.4
140°-150°	826.8	10.5	9.3
150°-160°	644.9	8.2	7.3
160°-170°	409.2	5.2	4.6
170°-180°	140.9	1.8	1.6
0°-30°	889.1	11.3	10.0
0°-40°	1461.0	18.6	16.5
0°-60°	2512.1	31.9	28.4
0°-90°	2854.8	36.3	32.3
90°-120°	1204.1	15.3	13.6
90°-150°	3820.5	48.5	43.2
90°-180°	5015.0	63.7	56.7
0°-180°	7870.2	100.0	88.9

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1210	1210	1210	1210	1210	
5°	1211	1200	1192	1189	1177	114
15°	1120	1099	1092	1109	1110	315
25°	994	964	979	1047	1085	457
35°	836	811	886	1001	1076	522
45°	628	643	773	873	949	480
55°	323	392	534	628	723	290
65°	101	120	202	348	447	107
75°	45	40	49	99	212	48
85°	11	9	8	9	23	13
90°	0	3	8	12	13	3
95°	58	93	102	108	108	68
105°	275	394	399	402	406	291
115°	524	698	728	728	727	518
125°	768	901	1038	1050	1049	686
135°	993	1065	1238	1316	1328	766
145°	1187	1214	1333	1420	1448	742
155°	1336	1344	1394	1444	1467	616
165°	1439	1431	1448	1454	1464	406
175°	1495	1481	1482	1474	1477	142
180°	1487	1487	1487	1487	1487	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1210.5	1210.5	1210.5	1210.5	1210.5
2.5°	1218.8	1210.1	1204.7	1204.8	1196.6
5°	1210.6	1199.9	1191.9	1188.9	1176.7
7.5°	1194.7	1182.4	1173.7	1168.6	1160.7
10°	1173.0	1158.8	1149.2	1148.7	1142.7
12.5°	1147.2	1129.8	1121.4	1129.3	1125.7
15°	1119.6	1098.6	1092.3	1108.6	1110.5
17.5°	1090.7	1066.6	1061.9	1087.3	1098.6
20°	1060.5	1033.2	1033.1	1071.7	1090.2
22.5°	1028.2	999.0	1004.6	1058.3	1085.7
25°	993.9	963.5	979.3	1047.1	1085.0
27.5°	957.9	926.8	954.9	1037.4	1084.6
30°	919.3	889.1	931.0	1026.8	1084.3
32.5°	878.6	850.3	907.4	1014.8	1081.5
35°	835.7	811.0	885.5	1000.7	1075.5
37.5°	790.3	771.8	862.7	985.8	1075.4
40°	741.4	731.3	837.4	967.4	1047.0
42.5°	687.7	688.8	807.4	926.3	1002.7
45°	628.0	642.6	773.2	873.2	949.2
47.5°	561.0	592.3	732.2	812.4	893.7
50°	486.2	535.1	675.7	752.1	839.5
52.5°	405.9	468.3	610.0	691.0	780.9
55°	322.8	392.0	534.0	628.5	723.2
57.5°	243.8	309.4	450.9	562.0	661.4
60°	178.5	229.6	363.0	493.8	591.6
62.5°	131.5	165.3	278.7	421.9	517.3
65°	100.8	120.5	201.5	348.3	447.0
67.5°	79.9	90.3	138.6	278.3	383.3
70°	65.0	69.3	96.5	210.5	323.2
72.5°	53.7	53.5	68.0	149.7	264.3
75°	45.0	40.4	48.8	98.9	212.5
77.5°	36.8	30.2	34.5	60.2	147.6
80°	28.2	21.7	23.6	35.8	94.9
82.5°	19.4	14.7	15.5	20.1	54.1
85°	11.2	8.8	8.4	9.3	22.8
87.5°	4.4	3.6	3.2	2.3	3.4
90°	0.0	2.9	8.4	12.1	12.7
92.5°	20.8	36.2	46.9	51.8	53.9
95°	58.3	93.1	102.2	108.4	108.2
97.5°	103.9	159.1	169.7	174.2	174.8
100°	156.8	231.8	241.3	247.3	247.5
102.5°	214.7	310.8	318.5	324.2	323.6
105°	274.7	394.3	399.3	402.2	405.6
107.5°	335.7	474.8	477.2	481.7	481.3
110°	398.0	553.3	560.5	562.0	564.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	460.1	627.5	639.9	643.7	641.8
115°	523.7	697.7	728.5	727.8	727.3
117.5°	586.3	756.9	809.2	809.9	810.4
120°	647.8	808.1	890.3	893.7	891.7
122.5°	707.6	856.0	965.7	972.6	975.5
125°	768.0	900.6	1037.9	1049.5	1049.3
127.5°	826.8	944.3	1104.6	1124.5	1130.1
130°	884.6	986.1	1160.6	1194.4	1198.8
132.5°	939.7	1026.0	1206.1	1260.3	1268.7
135°	992.8	1065.0	1238.4	1315.5	1328.5
137.5°	1043.8	1098.4	1266.0	1358.2	1380.4
140°	1093.5	1133.7	1289.9	1384.0	1416.0
142.5°	1141.5	1173.0	1311.9	1398.3	1425.2
145°	1186.8	1213.5	1332.7	1419.7	1447.5
147.5°	1228.7	1250.0	1353.0	1432.8	1458.6
150°	1267.2	1283.1	1367.9	1442.0	1466.0
152.5°	1303.3	1315.2	1381.7	1443.5	1468.4
155°	1336.1	1343.7	1394.5	1444.4	1466.7
157.5°	1366.4	1369.0	1407.5	1443.0	1463.2
160°	1394.5	1392.0	1421.9	1445.8	1460.4
162.5°	1418.7	1412.7	1435.3	1450.8	1461.8
165°	1439.3	1431.0	1448.2	1454.3	1464.1
167.5°	1457.3	1446.3	1460.2	1460.2	1468.3
170°	1473.2	1460.2	1468.8	1465.6	1473.6
172.5°	1486.2	1472.8	1475.6	1470.8	1477.9
175°	1495.1	1480.6	1481.8	1474.1	1477.3
177.5°	1500.7	1485.0	1485.4	1476.0	1479.8
180°	1486.6	1486.6	1486.6	1486.6	1486.6

(END OF REPORT)