

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: 26360

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 26360
Test Lab: LIGHTING SCIENCES, INC.
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I2-WF-3T8-1C-UNV-04
Description: WITH WHITE INTERIOR AND 30 CELL WHITE PERF BAFFLE

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: 8328.8 lumens
Efficiency: 94.1%
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.31 / 1.23
Luminous Opening: Rectangular (W 0.31' x L: 3.67' x H: 0')
CIE Type: Semi-Indirect

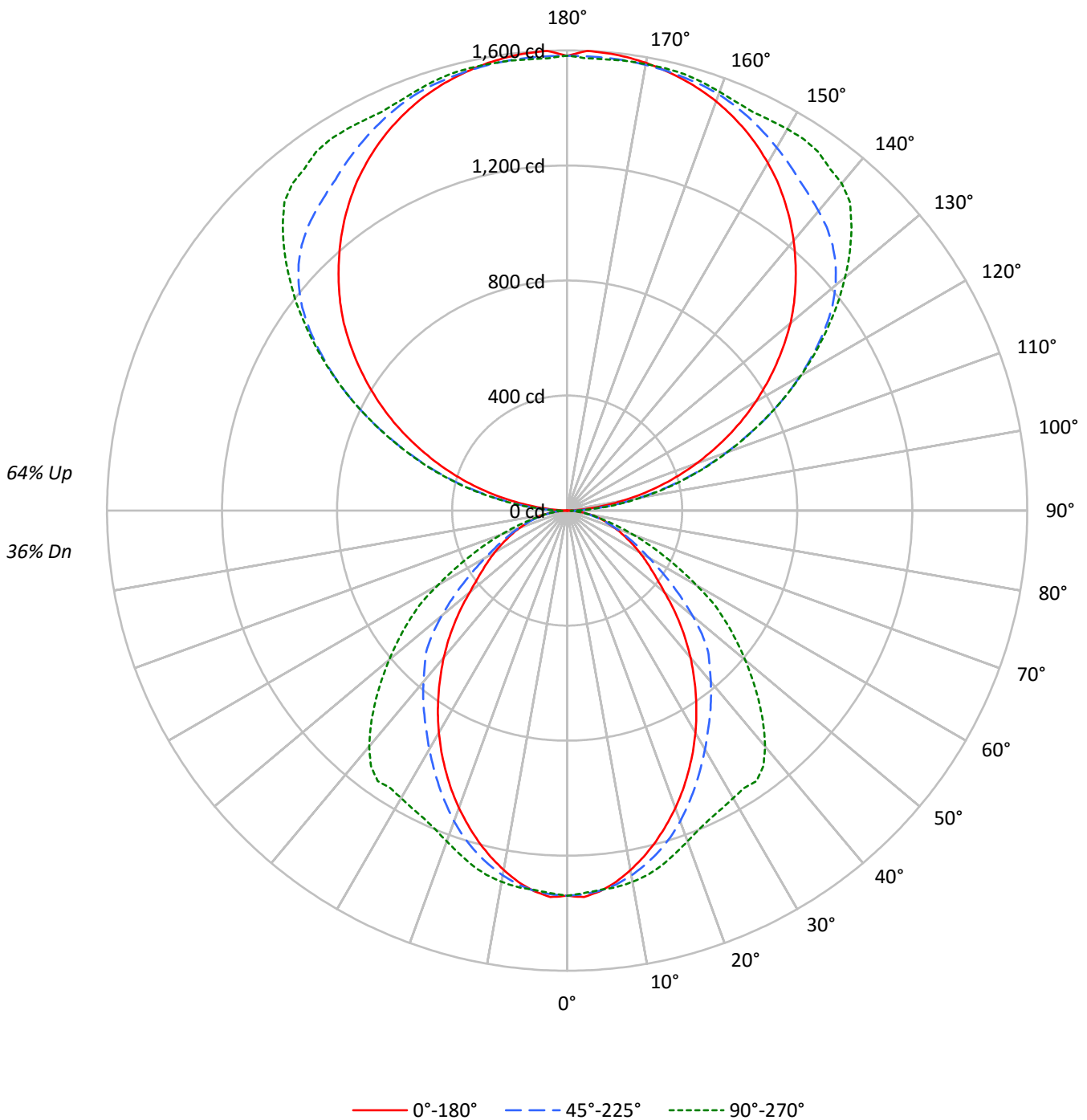
Input Watts (W): 91
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	98	98	98	88	88	88	88	71	71	71		55	55	55		40	40	40	33
1	89	85	82	79	81	77	74	72	62	60	59		49	47	46		36	35	35	29
2	81	75	69	65	73	68	63	59	55	52	49		43	41	39		32	31	29	24
3	74	66	59	54	67	60	54	50	49	45	41		38	36	33		29	27	25	21
4	68	58	51	46	61	53	47	42	43	39	35		34	31	29		26	24	22	18
5	63	52	45	39	56	48	41	36	39	34	31		31	27	25		23	21	19	16
6	58	47	39	34	52	43	36	32	35	30	27		28	24	22		21	19	17	14
7	53	42	35	30	48	39	32	28	32	27	24		25	22	19		19	17	15	13
8	49	38	31	26	45	35	29	25	29	24	21		23	20	17		18	15	14	11
9	46	35	28	23	42	32	26	22	26	22	19		21	18	16		16	14	12	10
10	43	32	25	21	39	29	23	20	24	20	17		20	16	14		15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12672	12672	12672
5°	12612	12599	12572
10°	12194	12377	12596
15°	11666	12032	12505
20°	11075	11575	12322
25°	10430	11019	12321
30°	9743	10474	12610
35°	9008	10001	13259
40°	8242	9598	13223
45°	7417	9278	12640
50°	6500	8385	11891
55°	5899	7266	11116
60°	5506	6199	9836
65°	5109	5509	8267
70°	4846	4976	6719
75°	4741	4515	5205
80°	4457	4119	4282
85°	3767	4179	3430



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	125.5	1.5	1.4
10°-20°	346.3	4.2	3.9
20°-30°	494.9	5.9	5.6
30°-40°	571.0	6.9	6.5
40°-50°	547.4	6.6	6.2
50°-60°	424.9	5.1	4.8
60°-70°	272.5	3.3	3.1
70°-80°	137.7	1.7	1.6
80°-90°	42.4	0.5	0.5
90°-100°	125.1	1.5	1.4
100°-110°	431.9	5.2	4.9
110°-120°	728.8	8.8	8.2
120°-130°	928.0	11.1	10.5
130°-140°	984.0	11.8	11.1
140°-150°	885.7	10.6	10.0
150°-160°	691.9	8.3	7.8
160°-170°	440.5	5.3	5.0
170°-180°	150.6	1.8	1.7
0°-30°	966.6	11.6	10.9
0°-40°	1537.6	18.5	17.4
0°-60°	2509.8	30.1	28.4
0°-90°	2962.4	35.6	33.5
90°-120°	1285.7	15.4	14.5
90°-150°	4083.4	49.0	46.1
90°-180°	5366.0	64.4	60.6
0°-180°	8328.8	100.0	94.1

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1339	1339	1339	1339	1339	
5°	1328	1322	1327	1333	1324	125
15°	1191	1200	1228	1267	1277	334
25°	999	1017	1056	1132	1180	459
35°	780	796	866	1029	1148	487
45°	554	564	693	845	945	427
55°	358	366	440	572	674	322
65°	228	232	246	313	369	228
75°	130	118	124	134	142	136
85°	35	32	38	38	32	38
90°	0	9	23	26	17	5
95°	69	97	113	118	119	83
105°	336	413	420	423	425	355
115°	620	732	766	762	764	613
125°	888	968	1092	1102	1105	794
135°	1124	1168	1305	1385	1398	867
145°	1317	1344	1405	1492	1522	824
155°	1462	1470	1504	1519	1529	674
165°	1553	1544	1560	1567	1572	439
175°	1596	1580	1580	1574	1575	152
180°	1582	1582	1582	1582	1582	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1339.4	1339.4	1339.4	1339.4	1339.4
2.5°	1345.0	1337.4	1335.4	1339.6	1331.3
5°	1328.0	1322.3	1326.6	1333.2	1323.8
7.5°	1302.2	1300.1	1310.9	1323.1	1320.2
10°	1269.3	1270.8	1288.3	1309.3	1311.1
12.5°	1232.3	1236.5	1260.2	1291.7	1297.3
15°	1191.0	1199.8	1228.4	1267.1	1276.7
17.5°	1146.6	1158.7	1191.6	1232.2	1250.1
20°	1100.0	1114.5	1149.6	1198.4	1223.8
22.5°	1051.0	1067.2	1102.8	1163.7	1199.2
25°	999.1	1016.6	1055.5	1132.0	1180.3
27.5°	946.5	964.1	1006.5	1104.7	1166.9
30°	891.8	910.1	958.7	1079.1	1154.3
32.5°	836.3	853.6	910.3	1052.1	1144.0
35°	779.9	796.5	865.9	1029.0	1148.0
37.5°	723.3	737.9	821.8	1015.9	1120.2
40°	667.3	679.5	777.1	971.2	1070.6
42.5°	610.9	621.5	732.7	911.8	1010.0
45°	554.3	563.9	693.4	845.2	944.7
47.5°	497.1	509.0	635.3	775.2	876.1
50°	441.6	455.3	569.7	704.5	807.9
52.5°	395.4	407.2	504.2	637.6	740.1
55°	357.6	366.1	440.5	572.3	673.9
57.5°	323.2	331.5	381.3	507.6	605.2
60°	291.0	298.2	327.6	443.3	519.8
62.5°	259.6	265.8	283.6	374.5	441.2
65°	228.2	232.5	246.1	312.7	369.3
67.5°	202.2	200.9	212.2	257.9	303.2
70°	175.2	170.7	179.9	210.9	242.9
72.5°	149.8	144.0	150.7	170.4	190.0
75°	129.7	118.3	123.5	134.5	142.4
77.5°	105.7	94.1	98.4	104.6	107.6
80°	81.8	72.6	75.6	78.5	78.6
82.5°	58.2	51.2	55.2	56.1	53.1
85°	34.7	32.2	38.5	37.7	31.6
87.5°	13.8	17.0	24.6	22.2	11.9
90°	0.0	8.9	22.6	25.7	17.2
92.5°	19.7	39.4	57.4	64.0	63.0
95°	68.6	96.8	113.1	118.3	119.0
97.5°	127.9	165.3	179.8	185.1	189.7
100°	195.0	241.8	256.3	259.1	262.1
102.5°	265.1	326.2	336.4	340.3	344.5
105°	335.7	413.2	420.2	423.2	424.9
107.5°	407.5	497.8	503.1	506.8	509.1
110°	478.1	580.7	588.5	590.2	591.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	548.5	660.0	674.7	674.6	677.4
115°	619.8	732.2	765.6	761.9	764.2
117.5°	689.8	798.5	851.4	848.4	852.4
120°	757.2	859.1	936.5	935.8	938.4
122.5°	823.3	914.8	1014.6	1020.1	1023.8
125°	888.1	967.9	1092.2	1101.8	1104.8
127.5°	952.2	1019.1	1161.3	1180.6	1186.8
130°	1013.6	1070.4	1218.5	1254.4	1261.6
132.5°	1070.1	1120.4	1266.8	1323.6	1333.9
135°	1123.8	1168.3	1305.2	1384.7	1398.3
137.5°	1175.4	1210.8	1336.0	1423.8	1455.1
140°	1225.4	1253.9	1359.8	1453.7	1485.3
142.5°	1272.4	1299.6	1382.0	1471.1	1499.4
145°	1317.0	1343.5	1404.6	1491.8	1522.4
147.5°	1358.7	1382.6	1432.5	1500.7	1531.1
150°	1395.8	1415.9	1457.3	1506.7	1531.6
152.5°	1430.4	1444.9	1481.8	1508.9	1529.7
155°	1461.7	1470.3	1504.3	1518.9	1528.9
157.5°	1489.5	1492.1	1523.5	1530.6	1537.7
160°	1514.5	1511.3	1540.3	1545.5	1549.3
162.5°	1535.5	1529.1	1552.1	1559.0	1562.0
165°	1552.9	1544.5	1560.2	1567.0	1571.7
167.5°	1567.8	1556.6	1568.0	1569.4	1575.3
170°	1580.8	1567.0	1573.4	1569.7	1576.1
172.5°	1590.3	1575.6	1578.0	1572.3	1577.0
175°	1596.5	1580.0	1580.0	1573.8	1574.8
177.5°	1599.8	1582.1	1580.9	1572.3	1573.9
180°	1581.5	1581.5	1581.5	1581.5	1581.5

(END OF REPORT)