

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: CORELITE

Report Number: P385302

Luminaire Tested: **22ID-40-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-40-L830-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

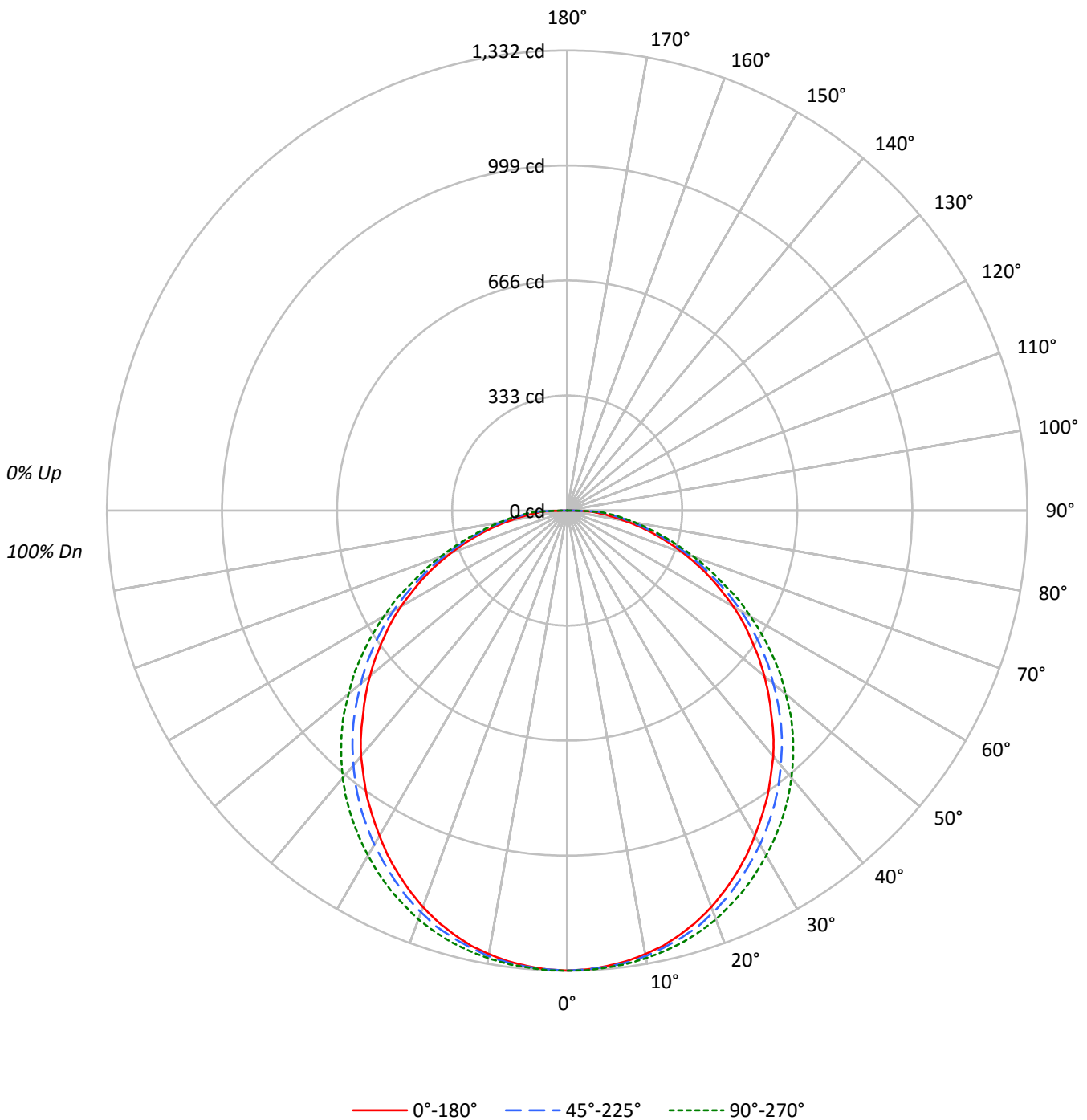
Lumens per Lamp: N/A
Luminaire Lumens: 3862.4 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32.5
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3584	3584	3584
5°	3550	3545	3561
10°	3510	3506	3543
15°	3459	3455	3525
20°	3394	3397	3500
25°	3312	3324	3462
30°	3221	3249	3418
35°	3136	3170	3373
40°	3047	3076	3317
45°	2935	2981	3246
50°	2838	2861	3144
55°	2729	2742	3032
60°	2617	2595	2881
65°	2463	2409	2680
70°	2276	2209	2495
75°	2055	1987	2278
80°	1754	1754	2092
85°	1493	1585	2000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.0	3.3
10°-20°	361.1	9.3
20°-30°	544.9	14.1
30°-40°	654.1	16.9
40°-50°	676.9	17.5
50°-60°	613.2	15.9
60°-70°	472.5	12.2
70°-80°	292.3	7.6
80°-90°	121.4	3.1
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°	1032.0	26.7
0°-40°	1686.1	43.7
0°-60°	2976.2	77.1
0°-90°	3862.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3862.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1332	1332	1332	1332	1332	
5°	1324	1324	1326	1326	1328	126
15°	1269	1271	1280	1288	1294	358
25°	1159	1163	1181	1201	1211	534
35°	1010	1018	1044	1073	1087	632
45°	836	848	876	908	924	646
55°	651	661	683	713	723	583
65°	456	460	474	494	496	451
75°	259	265	275	287	287	274
85°	94	104	120	128	126	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1331.7	1331.7	1331.7	1331.7	1331.7
2.5°	1329.7	1329.7	1329.7	1329.7	1331.7
5°	1323.6	1323.6	1325.7	1325.7	1327.7
7.5°	1315.6	1315.6	1319.6	1319.6	1323.6
10°	1303.6	1305.6	1309.6	1311.6	1315.6
12.5°	1289.5	1289.5	1295.5	1301.5	1305.6
15°	1269.4	1271.4	1279.5	1287.5	1293.5
17.5°	1247.3	1249.3	1261.4	1269.4	1277.4
20°	1221.2	1223.2	1237.3	1249.3	1259.4
22.5°	1191.1	1195.1	1211.2	1227.2	1235.3
25°	1158.9	1163.0	1181.0	1201.1	1211.2
27.5°	1124.8	1130.8	1148.9	1171.0	1183.0
30°	1086.6	1094.7	1116.8	1140.9	1152.9
32.5°	1048.5	1056.5	1080.6	1108.7	1120.8
35°	1010.3	1018.3	1044.5	1072.6	1086.6
37.5°	968.1	976.2	1004.3	1034.4	1050.5
40°	928.0	936.0	962.1	996.2	1010.3
42.5°	883.8	891.8	919.9	952.1	968.1
45°	835.6	847.6	875.7	907.9	923.9
47.5°	791.4	801.4	827.5	861.7	877.7
50°	745.2	755.2	779.3	813.5	825.5
52.5°	699.0	709.0	733.1	765.3	777.3
55°	650.8	660.8	682.9	713.0	723.1
57.5°	604.6	612.6	632.7	660.8	668.9
60°	556.4	564.4	580.5	606.6	612.6
62.5°	504.1	510.2	528.3	552.4	560.4
65°	455.9	460.0	474.0	494.1	496.1
67.5°	405.7	409.7	423.8	437.9	443.9
70°	355.5	361.5	371.6	385.6	389.7
72.5°	307.3	313.3	323.4	335.4	337.4
75°	259.1	265.1	275.2	287.2	287.2
77.5°	212.9	218.9	231.0	241.0	241.0
80°	166.7	176.8	188.8	198.8	198.8
82.5°	128.5	136.6	152.7	160.7	160.7
85°	94.4	104.4	120.5	128.5	126.5
87.5°	68.3	78.3	92.4	98.4	96.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)