

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: P383838

Luminaire Tested: **24ID-35-L830-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24ID-35-L830-CFR1
Description: 2X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

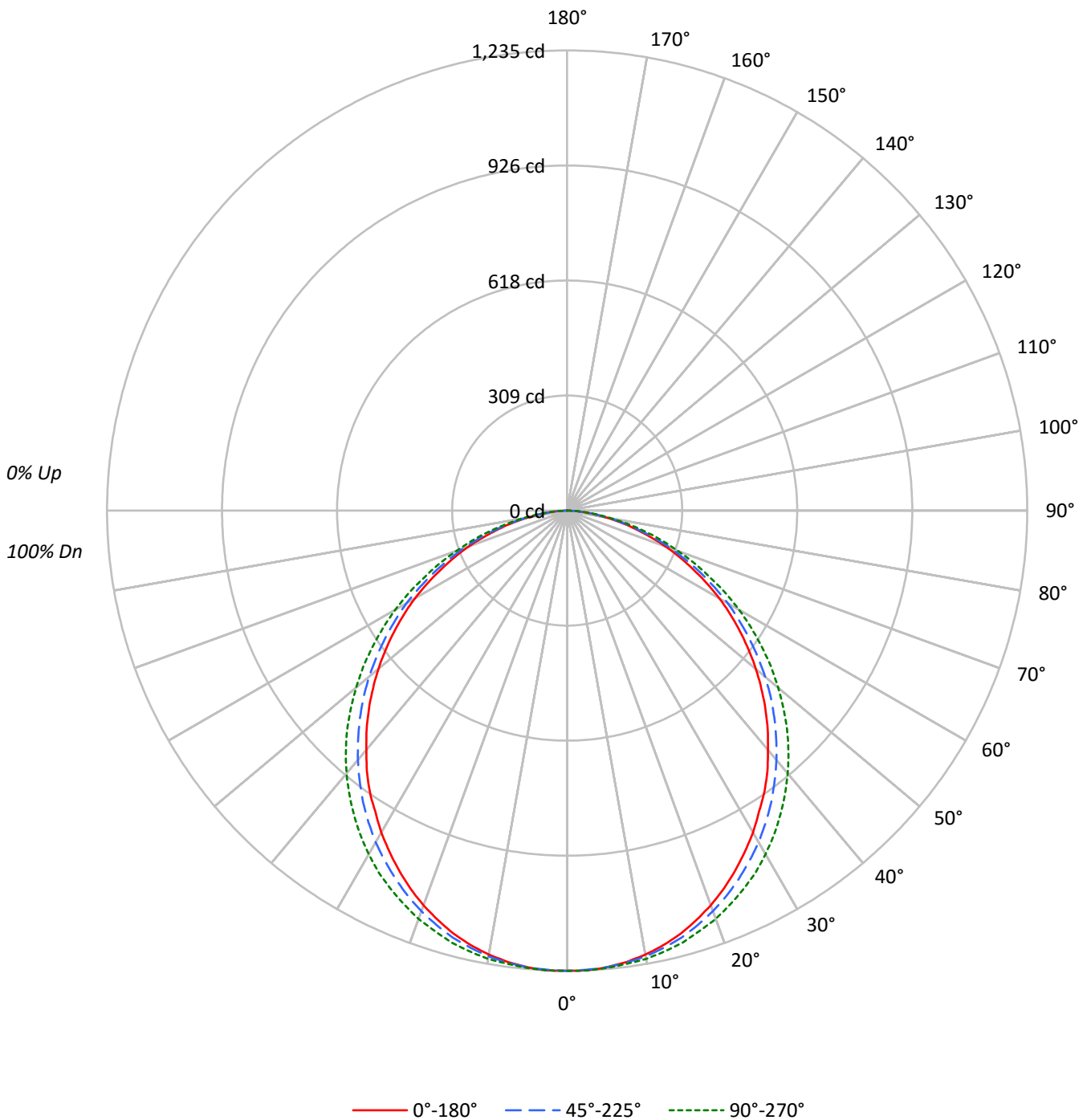
Lumens per Lamp: N/A
Luminaire Lumens: 3354.6 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.4
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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1662	1662	1662
5°	1661	1661	1664
10°	1653	1660	1669
15°	1638	1652	1671
20°	1614	1638	1670
25°	1583	1618	1663
30°	1549	1597	1654
35°	1516	1569	1638
40°	1473	1535	1618
45°	1432	1496	1589
50°	1385	1452	1547
55°	1330	1397	1496
60°	1271	1340	1435
65°	1187	1257	1343
70°	1102	1162	1241
75°	983	1035	1123
80°	824	863	941
85°	625	625	704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.9	3.5
10°-20°	334.5	10.0
20°-30°	503.0	15.0
30°-40°	598.3	17.8
40°-50°	608.8	18.1
50°-60°	535.8	16.0
60°-70°	393.0	11.7
70°-80°	213.3	6.4
80°-90°	50.9	1.5
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°	954.4	28.4
0°-40°	1552.7	46.3
0°-60°	2697.3	80.4
0°-90°	3354.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3354.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1235	1235	1235	1235	1235	
5°	1230	1228	1230	1230	1232	117
15°	1176	1178	1186	1193	1200	331
25°	1066	1073	1090	1109	1120	491
35°	923	930	955	984	997	576
45°	753	759	786	820	835	580
55°	567	575	596	624	638	507
65°	373	380	395	412	422	371
75°	189	192	199	209	216	201
85°	40	40	40	44	46	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1235.2	1235.2	1235.2	1235.2	1235.2
2.5°	1235.2	1233.5	1233.5	1233.5	1235.2
5°	1230.1	1228.4	1230.1	1230.1	1231.8
7.5°	1221.7	1220.0	1223.4	1225.1	1226.8
10°	1209.9	1209.9	1214.9	1218.3	1221.7
12.5°	1194.7	1196.4	1201.4	1206.5	1211.6
15°	1176.1	1177.8	1186.3	1193.0	1199.8
17.5°	1152.5	1155.9	1166.0	1176.1	1182.9
20°	1127.2	1132.3	1144.1	1157.6	1166.0
22.5°	1098.5	1105.3	1118.8	1135.6	1144.1
25°	1066.4	1073.2	1090.1	1108.6	1120.4
27.5°	1032.7	1041.1	1059.7	1081.6	1095.1
30°	997.3	1005.7	1027.6	1051.3	1064.8
32.5°	958.5	968.6	992.2	1019.2	1032.7
35°	923.0	929.8	955.1	983.8	997.3
37.5°	882.5	891.0	914.6	945.0	960.1
40°	838.6	847.1	874.1	904.5	921.3
42.5°	796.5	803.2	830.2	864.0	879.1
45°	752.6	759.3	786.3	820.1	835.3
47.5°	707.0	715.5	740.8	772.8	788.0
50°	661.5	668.2	693.5	723.9	739.1
52.5°	614.2	621.0	644.6	675.0	690.2
55°	567.0	575.4	595.7	624.3	637.8
57.5°	519.7	528.2	546.7	573.7	585.5
60°	472.5	479.2	497.8	521.4	533.2
62.5°	421.9	426.9	445.5	469.1	479.2
65°	372.9	379.7	394.9	411.7	421.9
67.5°	327.4	330.7	344.2	362.8	369.5
70°	280.1	283.5	295.3	310.5	315.5
72.5°	232.9	237.9	246.4	259.9	266.6
75°	189.0	192.4	199.1	209.2	216.0
77.5°	146.8	148.5	153.6	162.0	167.1
80°	106.3	108.0	111.4	118.1	121.5
82.5°	70.9	72.6	74.2	77.6	81.0
85°	40.5	40.5	40.5	43.9	45.6
87.5°	15.2	13.5	13.5	13.5	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)