

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: P385183

Luminaire Tested: **24ID-35-L835-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385183  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24ID-35-L835-CNC  
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

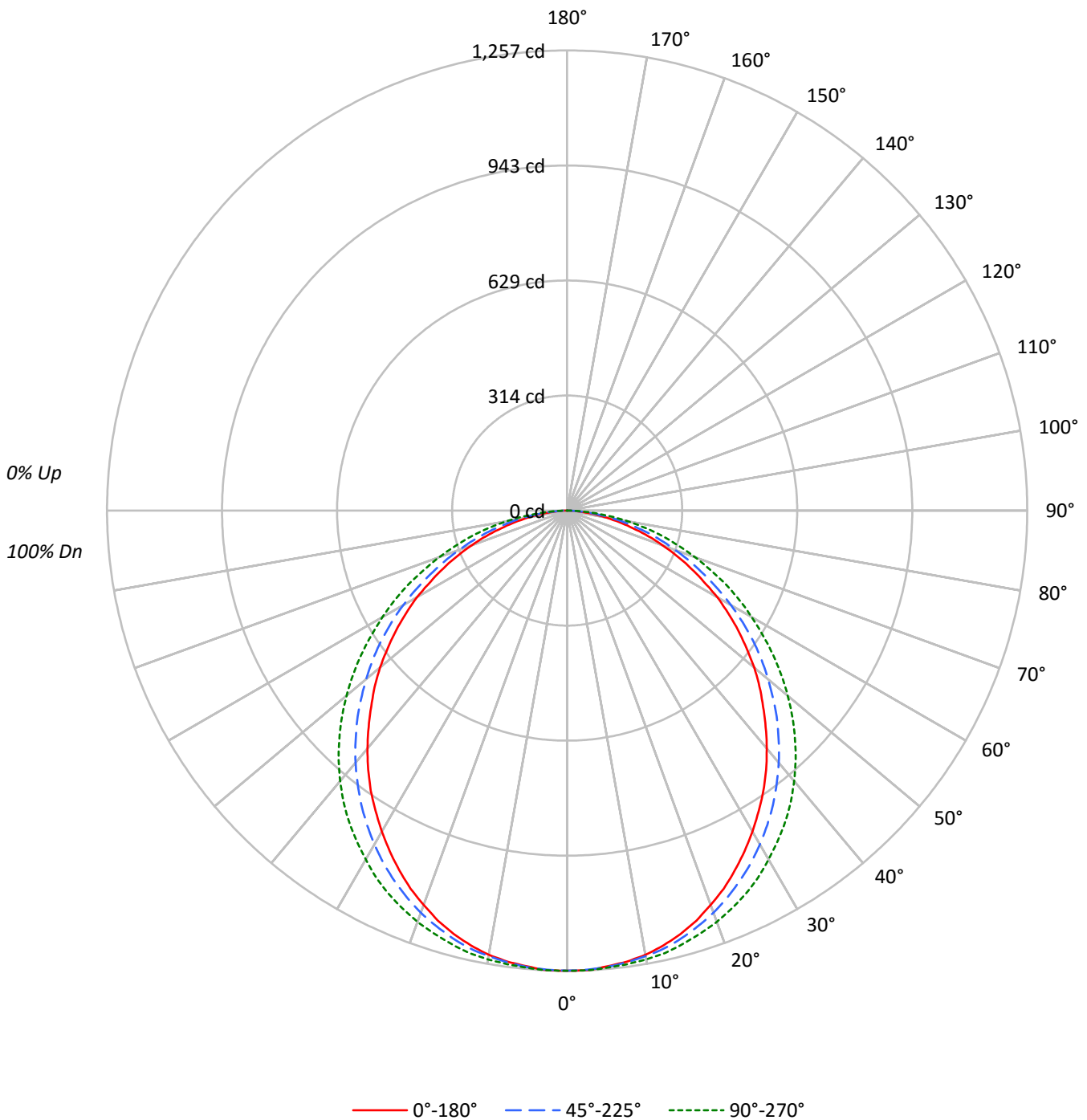
Lumens per Lamp: N/A  
Luminaire Lumens: 3490.0 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.4  
Input Voltage (V): NR  
Input Current (Ain): 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	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1691	1691	1691
5°	1688	1691	1693
10°	1684	1689	1701
15°	1668	1685	1707
20°	1641	1674	1712
25°	1610	1657	1715
30°	1573	1636	1709
35°	1535	1611	1706
40°	1490	1580	1694
45°	1440	1544	1675
50°	1397	1500	1647
55°	1338	1454	1611
60°	1274	1393	1568
65°	1188	1312	1524
70°	1094	1233	1461
75°	970	1144	1400
80°	818	1023	1296
85°	597	789	1033



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.0	3.4
10°-20°	341.4	9.8
20°-30°	514.8	14.8
30°-40°	614.6	17.6
40°-50°	628.2	18.0
50°-60°	557.0	16.0
60°-70°	415.2	11.9
70°-80°	237.2	6.8
80°-90°	62.6	1.8
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°	975.2	27.9
0°-40°	1589.8	45.6
0°-60°	2775.0	79.5
0°-90°	3490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3490.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1257	1257	1257	1257	1257	
5°	1250	1250	1252	1252	1254	119
15°	1197	1201	1209	1220	1225	337
25°	1084	1093	1116	1141	1155	499
35°	935	947	981	1019	1039	584
45°	757	773	812	856	880	585
55°	570	581	620	664	687	510
65°	373	382	412	454	479	370
75°	187	195	220	254	269	199
85°	39	40	51	63	67	48
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1257.0	1257.0	1257.0	1257.0	1257.0
2.5°	1257.0	1255.2	1255.2	1255.2	1257.0
5°	1249.9	1249.9	1251.7	1251.7	1253.5
7.5°	1242.9	1242.9	1244.7	1246.4	1249.9
10°	1232.3	1232.3	1235.9	1241.1	1244.7
12.5°	1216.5	1218.2	1225.3	1232.3	1237.6
15°	1197.1	1200.6	1209.4	1220.0	1225.3
17.5°	1174.2	1177.8	1190.1	1204.2	1211.2
20°	1146.1	1153.1	1169.0	1186.6	1195.4
22.5°	1117.9	1124.9	1144.3	1165.4	1176.0
25°	1084.4	1093.3	1116.1	1140.8	1154.9
27.5°	1049.2	1059.8	1086.2	1114.4	1130.2
30°	1012.3	1024.6	1052.8	1084.4	1100.3
32.5°	973.5	985.9	1017.6	1052.8	1070.4
35°	934.8	947.1	980.6	1019.3	1038.7
37.5°	892.6	904.9	940.1	982.3	1003.5
40°	848.5	862.6	899.6	941.9	964.7
42.5°	802.8	818.6	855.6	901.4	924.2
45°	757.0	772.8	811.6	855.6	880.2
47.5°	713.0	725.3	764.0	809.8	834.5
50°	667.2	677.8	716.5	762.3	786.9
52.5°	617.9	632.0	669.0	714.8	737.6
55°	570.4	581.0	619.7	663.7	686.6
57.5°	521.1	531.7	568.6	612.6	633.8
60°	473.6	484.1	517.6	561.6	582.7
62.5°	420.8	431.3	464.8	510.5	531.7
65°	373.2	382.0	412.0	454.2	478.8
67.5°	325.7	334.5	362.7	403.1	422.5
70°	278.2	285.2	313.4	350.3	371.5
72.5°	232.4	239.4	267.6	301.0	318.6
75°	186.6	195.4	220.1	253.5	269.4
77.5°	144.4	153.2	174.3	204.2	218.3
80°	105.6	112.7	132.0	154.9	167.2
82.5°	70.4	75.7	89.8	109.1	118.0
85°	38.7	40.5	51.1	63.4	66.9
87.5°	15.8	15.8	19.4	21.1	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)