

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: P385347

Luminaire Tested: **24ID-30-L835-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385347  
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: 24ID-30-L835-CNV  
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

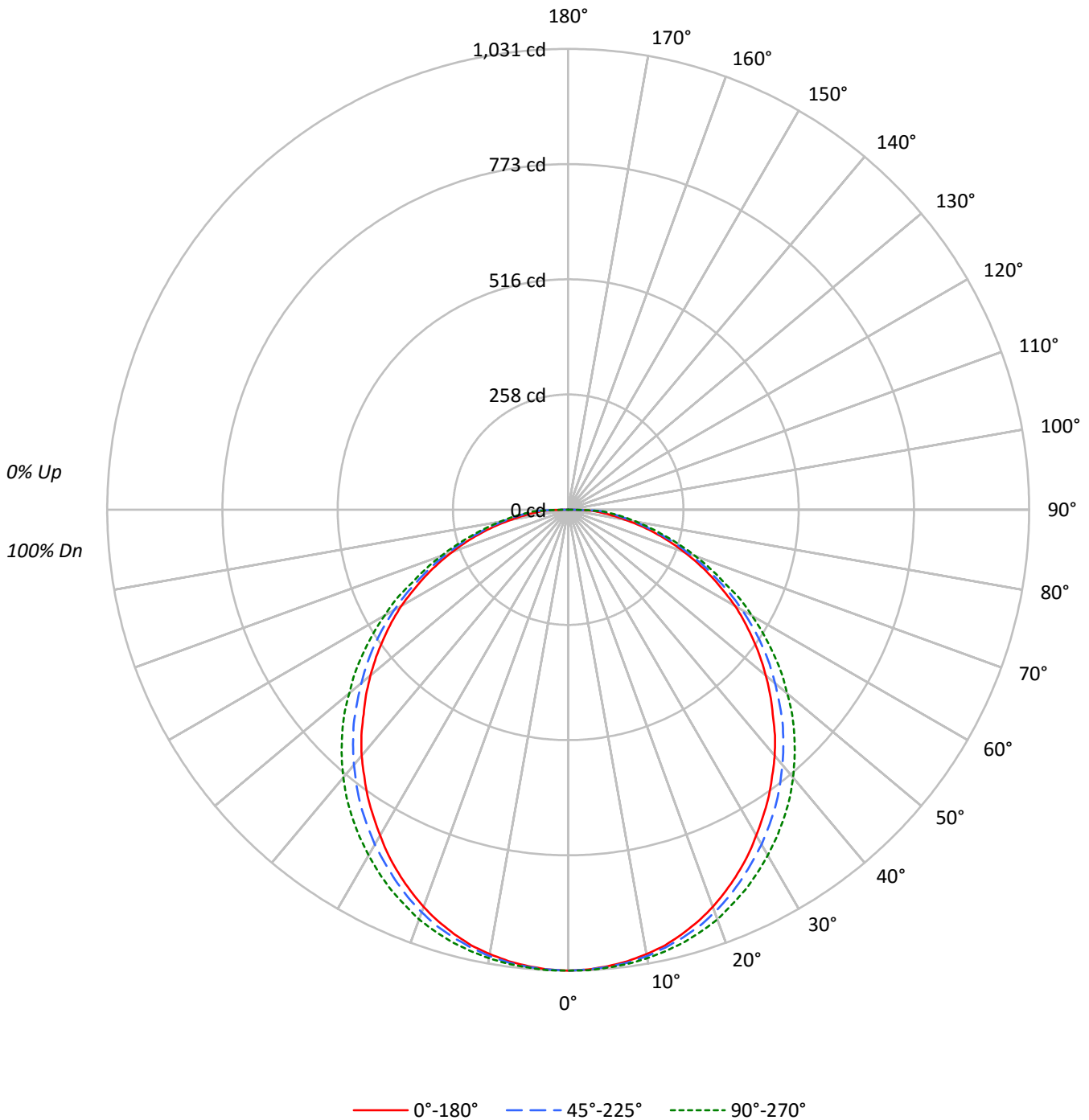
Lumens per Lamp: N/A  
Luminaire Lumens: 2991.1 lumens  
Efficiency: N/A  
Efficacy: 115.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 25.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	1388	1388	1388
5°	1379	1376	1379
10°	1369	1364	1372
15°	1354	1348	1365
20°	1334	1329	1355
25°	1307	1304	1340
30°	1277	1278	1323
35°	1249	1251	1306
40°	1220	1218	1284
45°	1182	1186	1257
50°	1151	1143	1217
55°	1116	1102	1174
60°	1081	1049	1116
65°	1032	982	1038
70°	972	911	966
75°	903	833	882
80°	809	755	810
85°	764	716	775



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.6	3.3
10°-20°	279.6	9.3
20°-30°	422.0	14.1
30°-40°	506.5	16.9
40°-50°	524.2	17.5
50°-60°	474.9	15.9
60°-70°	365.9	12.2
70°-80°	226.4	7.6
80°-90°	94.0	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°	799.2	26.7
0°-40°	1305.7	43.7
0°-60°	2304.8	77.1
0°-90°	2991.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2991.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1031	1031	1031	1031	1031	
5°	1025	1025	1027	1027	1028	97
15°	983	985	991	997	1002	277
25°	898	901	915	930	938	413
35°	782	789	809	831	842	489
45°	647	656	678	703	716	500
55°	504	512	529	552	560	451
65°	353	356	367	383	384	349
75°	201	205	213	222	222	213
85°	73	81	93	100	98	79
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1029.7	1029.7	1029.7	1029.7	1031.3
5°	1025.0	1025.0	1026.6	1026.6	1028.2
7.5°	1018.8	1018.8	1021.9	1021.9	1025.0
10°	1009.5	1011.0	1014.2	1015.7	1018.8
12.5°	998.6	998.6	1003.3	1007.9	1011.0
15°	983.1	984.6	990.8	997.1	1001.7
17.5°	965.9	967.5	976.8	983.1	989.3
20°	945.7	947.3	958.2	967.5	975.3
22.5°	922.4	925.5	937.9	950.4	956.6
25°	897.5	900.6	914.6	930.2	937.9
27.5°	871.1	875.7	889.7	906.8	916.2
30°	841.5	847.7	864.8	883.5	892.8
32.5°	812.0	818.2	836.8	858.6	867.9
35°	782.4	788.6	808.8	830.6	841.5
37.5°	749.7	756.0	777.7	801.1	813.5
40°	718.6	724.8	745.1	771.5	782.4
42.5°	684.4	690.6	712.4	737.3	749.7
45°	647.1	656.4	678.2	703.1	715.5
47.5°	612.9	620.6	640.8	667.3	679.7
50°	577.1	584.9	603.5	630.0	639.3
52.5°	541.3	549.1	567.7	592.6	602.0
55°	504.0	511.7	528.9	552.2	560.0
57.5°	468.2	474.4	490.0	511.7	518.0
60°	430.9	437.1	449.5	469.7	474.4
62.5°	390.4	395.1	409.1	427.8	434.0
65°	353.1	356.2	367.1	382.6	384.2
67.5°	314.2	317.3	328.2	339.1	343.8
70°	275.3	280.0	287.8	298.6	301.8
72.5°	238.0	242.7	250.4	259.8	261.3
75°	200.7	205.3	213.1	222.4	222.4
77.5°	164.9	169.5	178.9	186.7	186.7
80°	129.1	136.9	146.2	154.0	154.0
82.5°	99.5	105.8	118.2	124.4	124.4
85°	73.1	80.9	93.3	99.5	98.0
87.5°	52.9	60.7	71.6	76.2	74.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)