

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: P385075

Luminaire Tested: **14ID-35-L835-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385075  
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: 14ID-35-L835-CNC  
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

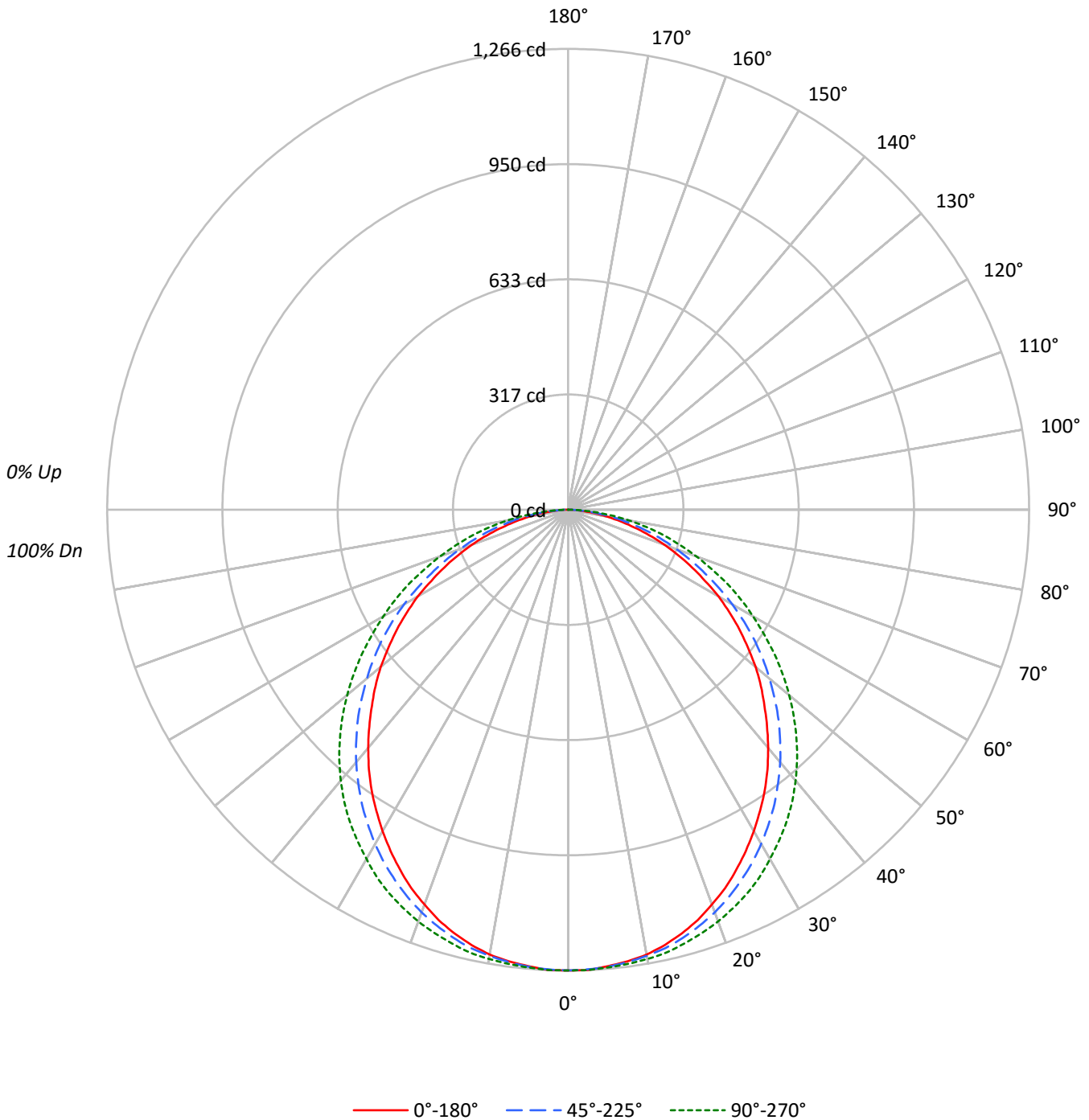
Lumens per Lamp: N/A  
Luminaire Lumens: 3514.5 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.4  
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	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°	3406	3406	3406
5°	3400	3405	3410
10°	3391	3401	3425
15°	3358	3393	3438
20°	3305	3371	3447
25°	3243	3337	3453
30°	3168	3294	3443
35°	3093	3244	3436
40°	3002	3182	3413
45°	2901	3110	3373
50°	2813	3021	3318
55°	2695	2928	3244
60°	2567	2805	3158
65°	2393	2641	3070
70°	2204	2483	2943
75°	1954	2304	2820
80°	1649	2061	2610
85°	1204	1587	2081



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.8	3.4
10°-20°	343.7	9.8
20°-30°	518.4	14.8
30°-40°	619.0	17.6
40°-50°	632.6	18.0
50°-60°	560.9	16.0
60°-70°	418.1	11.9
70°-80°	238.9	6.8
80°-90°	63.0	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°	982.0	27.9
0°-40°	1601.0	45.6
0°-60°	2794.5	79.5
0°-90°	3514.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3514.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1266	1266	1266	1266	1266	
5°	1259	1259	1260	1260	1262	120
15°	1206	1209	1218	1229	1234	340
25°	1092	1101	1124	1149	1163	503
35°	941	954	988	1026	1046	588
45°	762	778	817	862	886	589
55°	574	585	624	668	691	513
65°	376	385	415	457	482	372
75°	188	197	222	255	271	200
85°	39	41	51	64	67	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1265.8	1265.8	1265.8	1265.8	1265.8
2.5°	1265.8	1264.0	1264.0	1264.0	1265.8
5°	1258.7	1258.7	1260.5	1260.5	1262.3
7.5°	1251.6	1251.6	1253.4	1255.2	1258.7
10°	1241.0	1241.0	1244.5	1249.8	1253.4
12.5°	1225.0	1226.8	1233.9	1241.0	1246.3
15°	1205.5	1209.1	1217.9	1228.6	1233.9
17.5°	1182.5	1186.0	1198.4	1212.6	1219.7
20°	1154.1	1161.2	1177.2	1194.9	1203.8
22.5°	1125.7	1132.8	1152.3	1173.6	1184.2
25°	1092.1	1100.9	1124.0	1148.8	1163.0
27.5°	1056.6	1067.2	1093.8	1122.2	1138.2
30°	1019.4	1031.8	1060.2	1092.1	1108.0
32.5°	980.4	992.8	1024.7	1060.2	1077.9
35°	941.4	953.8	987.5	1026.5	1046.0
37.5°	898.8	911.2	946.7	989.2	1010.5
40°	854.5	868.7	905.9	948.5	971.5
42.5°	808.4	824.4	861.6	907.7	930.7
45°	762.3	778.3	817.3	861.6	886.4
47.5°	718.0	730.4	769.4	815.5	840.3
50°	671.9	682.5	721.5	767.6	792.5
52.5°	622.3	636.4	673.7	719.8	742.8
55°	574.4	585.0	624.0	668.4	691.4
57.5°	524.8	535.4	572.6	616.9	638.2
60°	476.9	487.5	521.2	565.5	586.8
62.5°	423.7	434.3	468.0	514.1	535.4
65°	375.8	384.7	414.8	457.4	482.2
67.5°	328.0	336.8	365.2	406.0	425.5
70°	280.1	287.2	315.6	352.8	374.1
72.5°	234.0	241.1	269.5	303.2	320.9
75°	187.9	196.8	221.6	255.3	271.2
77.5°	145.4	154.2	175.5	205.6	219.8
80°	106.4	113.5	133.0	156.0	168.4
82.5°	70.9	76.2	90.4	109.9	118.8
85°	39.0	40.8	51.4	63.8	67.4
87.5°	16.0	16.0	19.5	21.3	23.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)