

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: P383730

Luminaire Tested: **14ID-35-L830-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383730  
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: 14ID-35-L830-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

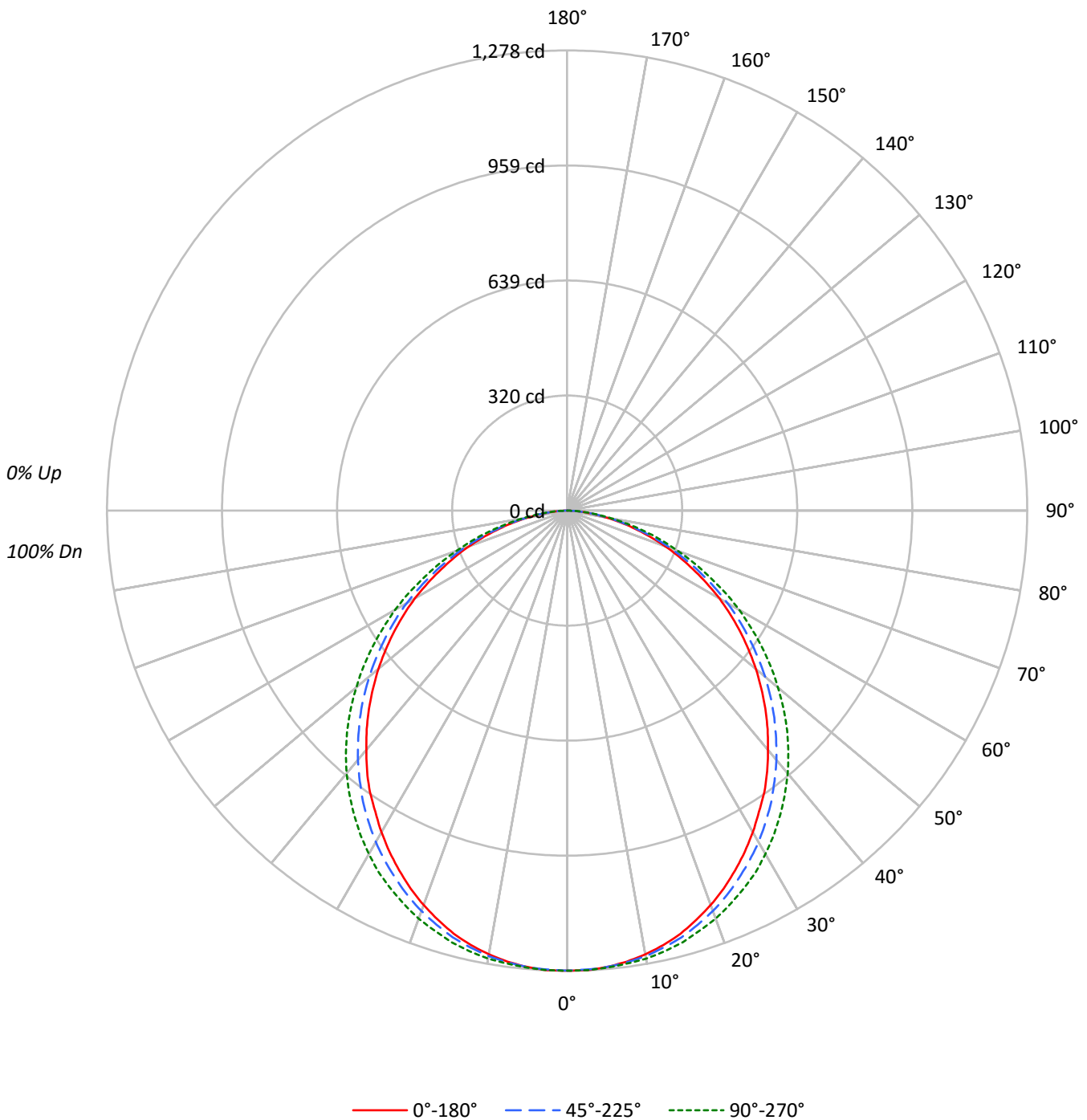
Lumens per Lamp: N/A  
Luminaire Lumens: 3470.0 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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	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°	3438	3438	3438
5°	3437	3437	3442
10°	3420	3434	3453
15°	3389	3419	3457
20°	3339	3389	3454
25°	3275	3348	3441
30°	3205	3303	3422
35°	3137	3245	3389
40°	3047	3176	3348
45°	2963	3095	3288
50°	2864	3003	3201
55°	2752	2891	3096
60°	2630	2771	2969
65°	2456	2600	2779
70°	2279	2404	2568
75°	2033	2142	2323
80°	1705	1785	1948
85°	1294	1294	1454



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.9	3.5
10°-20°	346.0	10.0
20°-30°	520.3	15.0
30°-40°	618.9	17.8
40°-50°	629.8	18.1
50°-60°	554.2	16.0
60°-70°	406.6	11.7
70°-80°	220.7	6.4
80°-90°	52.7	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°	987.2	28.4
0°-40°	1606.1	46.3
0°-60°	2790.1	80.4
0°-90°	3470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3470.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1278	1278	1278	1278	1278	
5°	1272	1271	1272	1272	1274	121
15°	1217	1218	1227	1234	1241	343
25°	1103	1110	1128	1147	1159	508
35°	955	962	988	1018	1032	596
45°	778	786	813	848	864	600
55°	586	595	616	646	660	524
65°	386	393	408	426	436	383
75°	196	199	206	216	223	208
85°	42	42	42	45	47	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1277.7	1277.7	1277.7	1277.7	1277.7
2.5°	1277.7	1275.9	1275.9	1275.9	1277.7
5°	1272.4	1270.7	1272.4	1272.4	1274.2
7.5°	1263.7	1262.0	1265.5	1267.2	1269.0
10°	1251.5	1251.5	1256.7	1260.2	1263.7
12.5°	1235.8	1237.5	1242.8	1248.0	1253.2
15°	1216.6	1218.3	1227.1	1234.0	1241.0
17.5°	1192.2	1195.6	1206.1	1216.6	1223.6
20°	1166.0	1171.2	1183.4	1197.4	1206.1
22.5°	1136.3	1143.3	1157.2	1174.7	1183.4
25°	1103.1	1110.1	1127.6	1146.8	1159.0
27.5°	1068.2	1077.0	1096.2	1118.8	1132.8
30°	1031.6	1040.3	1063.0	1087.4	1101.4
32.5°	991.4	1001.9	1026.3	1054.3	1068.2
35°	954.8	961.8	987.9	1017.6	1031.6
37.5°	912.9	921.6	946.0	977.5	993.2
40°	867.5	876.2	904.2	935.6	953.0
42.5°	823.9	830.8	858.8	893.7	909.4
45°	778.5	785.5	813.4	848.3	864.0
47.5°	731.4	740.1	766.3	799.4	815.1
50°	684.2	691.2	717.4	748.8	764.5
52.5°	635.4	642.3	666.8	698.2	713.9
55°	586.5	595.2	616.2	645.8	659.8
57.5°	537.6	546.3	565.5	593.5	605.7
60°	488.7	495.7	514.9	539.3	551.6
62.5°	436.4	441.6	460.8	485.2	495.7
65°	385.7	392.7	408.4	425.9	436.4
67.5°	338.6	342.1	356.1	375.3	382.3
70°	289.7	293.2	305.5	321.2	326.4
72.5°	240.9	246.1	254.8	268.8	275.8
75°	195.5	199.0	206.0	216.4	223.4
77.5°	151.9	153.6	158.8	167.6	172.8
80°	110.0	111.7	115.2	122.2	125.7
82.5°	73.3	75.1	76.8	80.3	83.8
85°	41.9	41.9	41.9	45.4	47.1
87.5°	15.7	14.0	14.0	14.0	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)