

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: P385074

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

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385074  
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-L830-CNC  
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

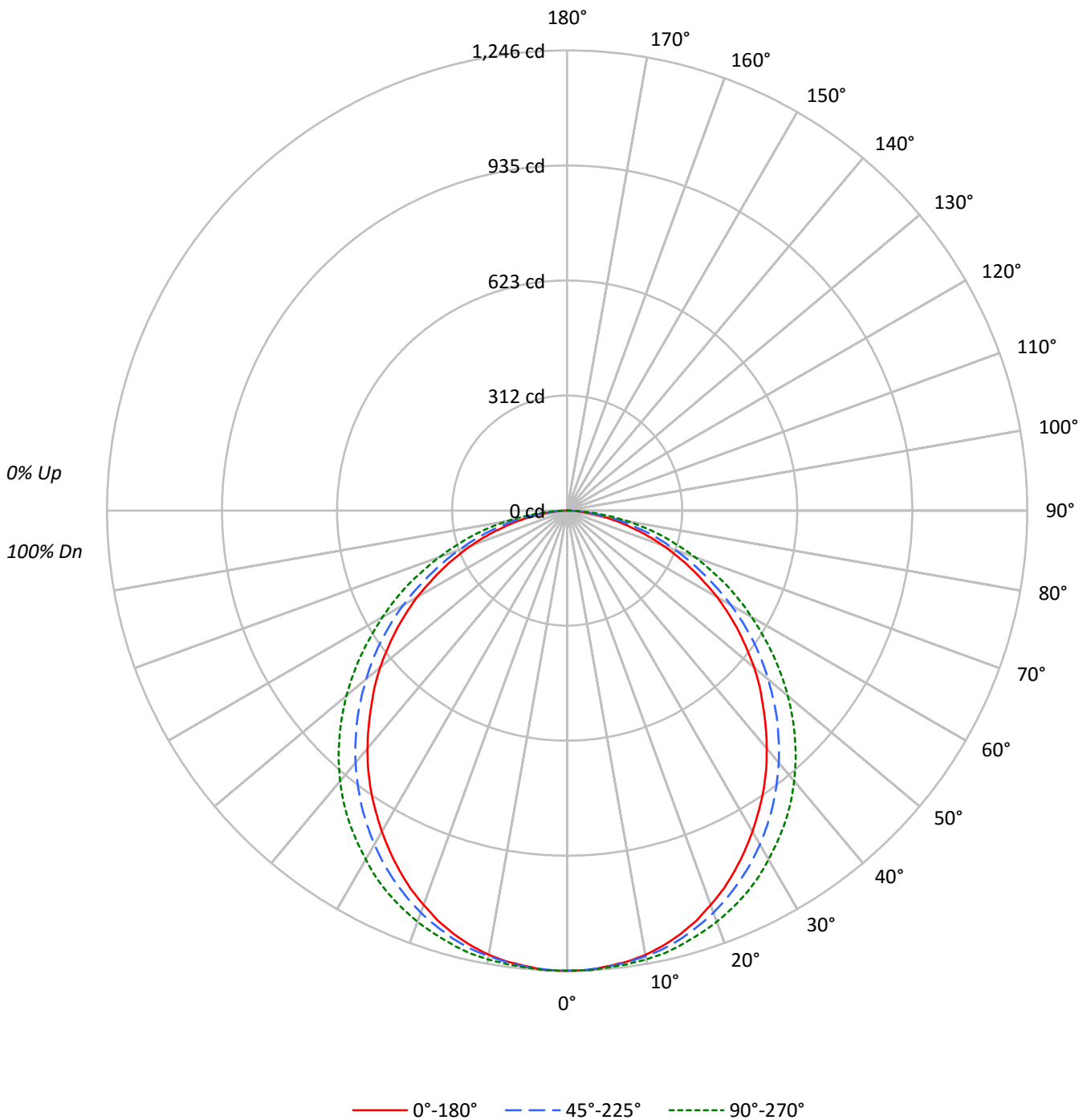
Lumens per Lamp: N/A  
Luminaire Lumens: 3459.5 lumens  
Efficiency: N/A  
Efficacy: 121.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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°	3353	3353	3353
5°	3347	3352	3356
10°	3338	3348	3371
15°	3306	3340	3384
20°	3253	3318	3393
25°	3192	3285	3399
30°	3118	3243	3389
35°	3044	3193	3382
40°	2955	3132	3359
45°	2856	3062	3320
50°	2769	2973	3266
55°	2653	2882	3193
60°	2526	2761	3109
65°	2356	2600	3023
70°	2169	2444	2897
75°	1923	2268	2776
80°	1623	2029	2569
85°	1186	1562	2047



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.0	3.4
10°-20°	338.4	9.8
20°-30°	510.3	14.8
30°-40°	609.3	17.6
40°-50°	622.7	18.0
50°-60°	552.1	16.0
60°-70°	411.6	11.9
70°-80°	235.1	6.8
80°-90°	62.0	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°	966.6	27.9
0°-40°	1575.9	45.6
0°-60°	2750.7	79.5
0°-90°	3459.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3459.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1246	1246	1246	1246	1246	
5°	1239	1239	1241	1241	1242	118
15°	1187	1190	1199	1209	1215	334
25°	1075	1084	1106	1131	1145	495
35°	927	939	972	1010	1030	579
45°	750	766	804	848	872	580
55°	565	576	614	658	681	505
65°	370	379	408	450	475	367
75°	185	194	218	251	267	197
85°	38	40	51	63	66	48
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1246.0	1246.0	1246.0	1246.0	1246.0
2.5°	1246.0	1244.2	1244.2	1244.2	1246.0
5°	1239.0	1239.0	1240.8	1240.8	1242.5
7.5°	1232.0	1232.0	1233.8	1235.5	1239.0
10°	1221.6	1221.6	1225.1	1230.3	1233.8
12.5°	1205.9	1207.6	1214.6	1221.6	1226.8
15°	1186.7	1190.1	1198.9	1209.3	1214.6
17.5°	1164.0	1167.5	1179.7	1193.6	1200.6
20°	1136.1	1143.0	1158.7	1176.2	1184.9
22.5°	1108.1	1115.1	1134.3	1155.2	1165.7
25°	1075.0	1083.7	1106.4	1130.8	1144.8
27.5°	1040.1	1050.5	1076.7	1104.6	1120.3
30°	1003.4	1015.6	1043.6	1075.0	1090.7
32.5°	965.0	977.2	1008.7	1043.6	1061.0
35°	926.6	938.9	972.0	1010.4	1029.6
37.5°	884.8	897.0	931.9	973.8	994.7
40°	841.1	855.1	891.7	933.6	956.3
42.5°	795.8	811.5	848.1	893.5	916.2
45°	750.4	766.1	804.5	848.1	872.5
47.5°	706.8	719.0	757.4	802.7	827.2
50°	661.4	671.9	710.2	755.6	780.1
52.5°	612.5	626.5	663.1	708.5	731.2
55°	565.4	575.9	614.3	657.9	680.6
57.5°	516.5	527.0	563.7	607.3	628.2
60°	469.4	479.9	513.1	556.7	577.6
62.5°	417.1	427.5	460.7	506.1	527.0
65°	370.0	378.7	408.4	450.2	474.7
67.5°	322.8	331.6	359.5	399.6	418.8
70°	275.7	282.7	310.6	347.3	368.2
72.5°	230.4	237.3	265.3	298.4	315.9
75°	185.0	193.7	218.1	251.3	267.0
77.5°	143.1	151.8	172.8	202.4	216.4
80°	104.7	111.7	130.9	153.6	165.8
82.5°	69.8	75.0	89.0	108.2	116.9
85°	38.4	40.1	50.6	62.8	66.3
87.5°	15.7	15.7	19.2	20.9	22.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)