

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: P383897

Luminaire Tested: **14ID-30-L850-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383897  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-30-L850-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

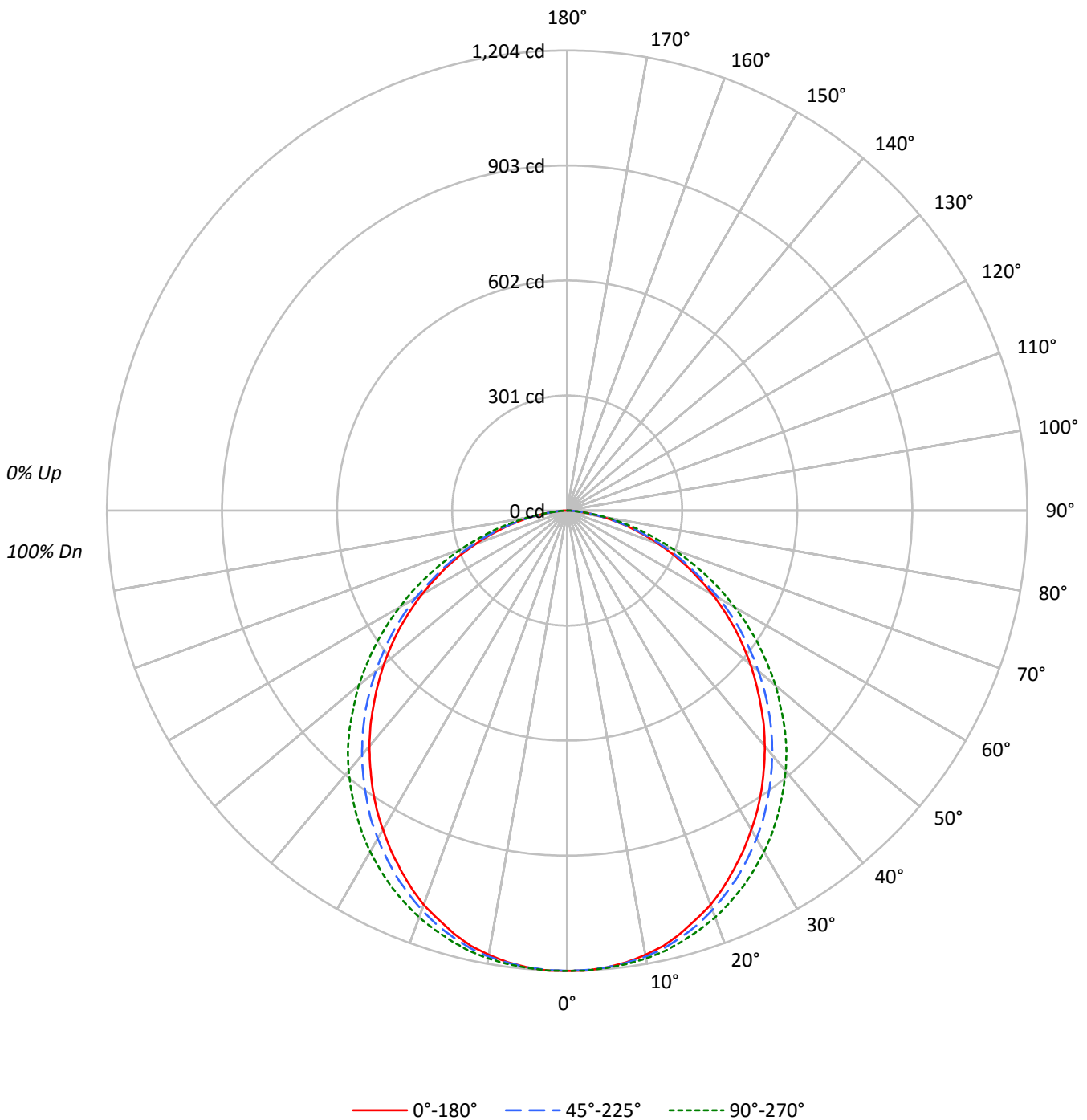
Lumens per Lamp: N/A  
Luminaire Lumens: 3179.5 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.9  
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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	3241	3241	3241
5°	3241	3241	3245
10°	3226	3239	3252
15°	3191	3218	3249
20°	3143	3184	3244
25°	3070	3136	3226
30°	2995	3079	3203
35°	2915	3009	3166
40°	2826	2933	3123
45°	2722	2844	3062
50°	2621	2735	2981
55°	2504	2616	2870
60°	2366	2469	2726
65°	2201	2273	2546
70°	1993	2068	2331
75°	1739	1806	2038
80°	1407	1432	1605
85°	837	936	787



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.0	3.6
10°-20°	325.9	10.2
20°-30°	487.5	15.3
30°-40°	576.0	18.1
40°-50°	581.2	18.3
50°-60°	504.7	15.9
60°-70°	361.9	11.4
70°-80°	188.6	5.9
80°-90°	39.8	1.3
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°	927.4	29.2
0°-40°	1503.4	47.3
0°-60°	2589.2	81.4
0°-90°	3179.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3179.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1204	1204	1204	1204	1204	
5°	1200	1198	1200	1200	1201	114
15°	1146	1147	1155	1163	1166	323
25°	1034	1040	1056	1077	1086	476
35°	887	894	916	950	964	555
45°	715	723	747	785	805	552
55°	534	538	558	594	612	477
65°	346	344	357	384	400	342
75°	167	166	174	186	196	178
85°	27	30	30	27	26	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1204.4	1204.4	1204.4	1204.4	1204.4
2.5°	1204.4	1202.8	1202.8	1202.8	1204.4
5°	1199.7	1198.1	1199.7	1199.7	1201.3
7.5°	1191.7	1190.1	1193.3	1194.9	1196.5
10°	1180.5	1180.5	1185.3	1188.5	1190.1
12.5°	1166.2	1166.2	1172.6	1177.4	1180.5
15°	1145.5	1147.1	1155.0	1163.0	1166.2
17.5°	1121.6	1126.4	1135.9	1147.1	1150.3
20°	1097.7	1100.9	1112.0	1126.4	1132.7
22.5°	1067.4	1072.2	1084.9	1104.1	1110.4
25°	1034.0	1040.3	1056.3	1077.0	1086.5
27.5°	1000.5	1005.3	1024.4	1048.3	1059.5
30°	963.9	970.2	991.0	1018.0	1030.8
32.5°	927.2	932.0	955.9	984.6	998.9
35°	887.4	893.8	916.1	949.5	963.9
37.5°	846.0	853.9	876.2	911.3	927.2
40°	804.6	809.3	834.8	869.9	889.0
42.5°	761.5	767.9	791.8	830.0	849.2
45°	715.3	723.3	747.2	785.4	804.6
47.5°	670.7	678.7	701.0	739.2	756.8
50°	626.1	630.9	653.2	691.4	712.1
52.5°	579.9	584.7	605.4	642.0	661.2
55°	533.7	538.5	557.6	594.3	611.8
57.5°	485.9	489.1	508.2	541.7	559.2
60°	439.7	441.3	458.8	489.1	506.6
62.5°	390.3	391.9	404.7	439.7	455.6
65°	345.7	344.1	356.9	384.0	399.9
67.5°	299.5	299.5	310.7	334.6	347.3
70°	253.3	253.3	262.9	283.6	296.3
72.5°	210.3	210.3	218.3	234.2	243.8
75°	167.3	165.7	173.7	186.4	196.0
77.5°	127.5	127.5	130.6	141.8	148.2
80°	90.8	90.8	92.4	98.8	103.6
82.5°	57.4	57.4	57.4	60.5	62.1
85°	27.1	30.3	30.3	27.1	25.5
87.5°	12.7	12.7	11.2	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)