

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: P385297

Luminaire Tested: **22ID-30-L850-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385297  
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: 22ID-30-L850-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

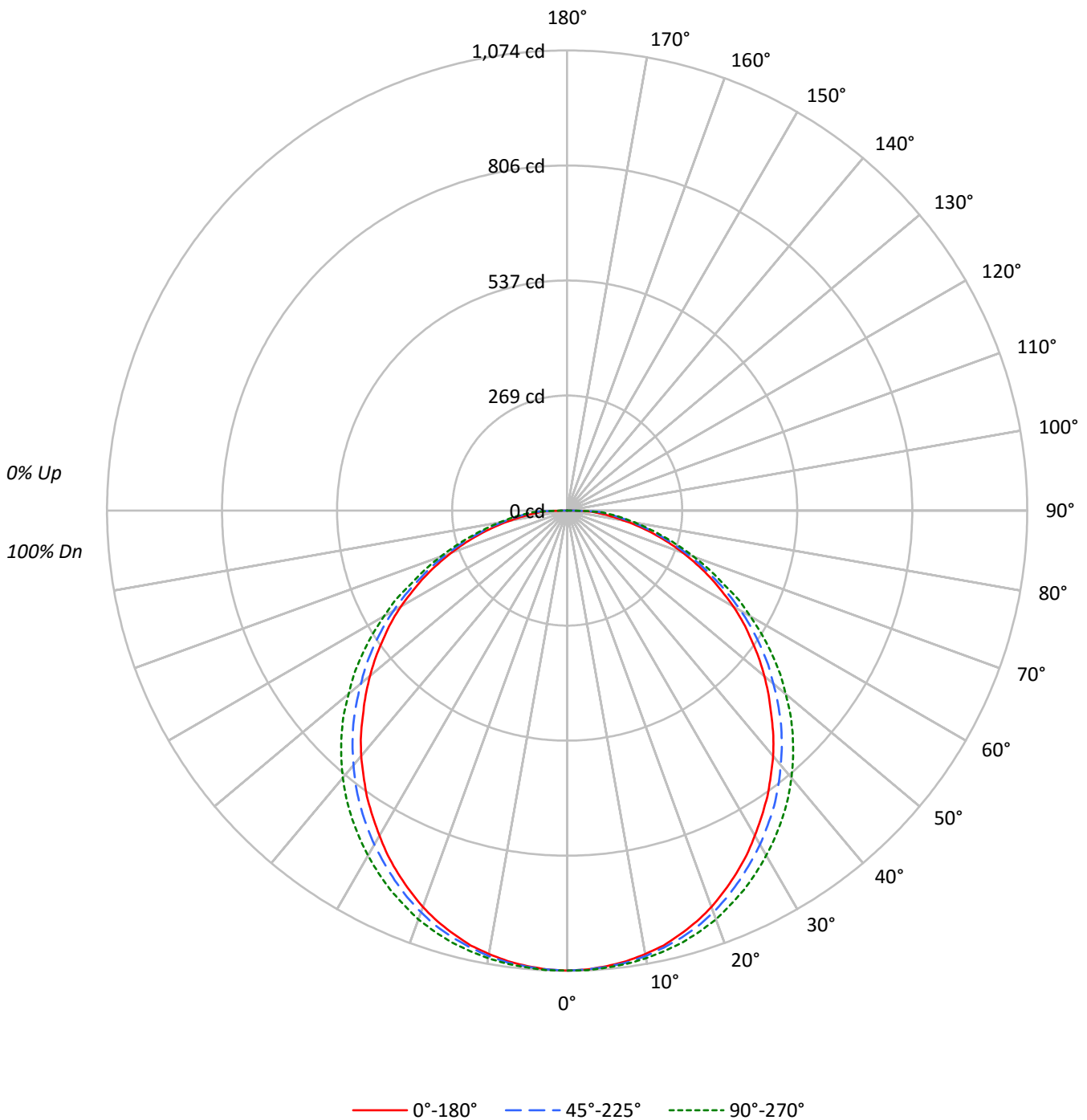
Lumens per Lamp: N/A  
Luminaire Lumens: 3113.9 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 24.3  
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25

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

	0°	45°	90°
0°	2889	2889	2889
5°	2862	2858	2870
10°	2830	2826	2856
15°	2789	2786	2842
20°	2736	2739	2822
25°	2670	2680	2791
30°	2597	2619	2756
35°	2528	2555	2719
40°	2456	2480	2674
45°	2366	2404	2617
50°	2288	2306	2534
55°	2200	2211	2444
60°	2110	2092	2323
65°	1986	1943	2161
70°	1835	1781	2011
75°	1657	1602	1837
80°	1414	1414	1687
85°	1203	1279	1613



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.6	3.3
10°-20°	291.1	9.3
20°-30°	439.3	14.1
30°-40°	527.3	16.9
40°-50°	545.7	17.5
50°-60°	494.4	15.9
60°-70°	380.9	12.2
70°-80°	235.7	7.6
80°-90°	97.9	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°	832.0	26.7
0°-40°	1359.3	43.7
0°-60°	2399.5	77.1
0°-90°	3113.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3113.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1074	1074	1074	1074	1074	
5°	1067	1067	1069	1069	1070	101
15°	1023	1025	1032	1038	1043	289
25°	934	938	952	968	976	430
35°	814	821	842	865	876	509
45°	674	683	706	732	745	521
55°	525	533	551	575	583	470
65°	368	371	382	398	400	363
75°	209	214	222	232	232	221
85°	76	84	97	104	102	82
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1072.0	1072.0	1072.0	1072.0	1073.6
5°	1067.1	1067.1	1068.8	1068.8	1070.4
7.5°	1060.7	1060.7	1063.9	1063.9	1067.1
10°	1050.9	1052.6	1055.8	1057.4	1060.7
12.5°	1039.6	1039.6	1044.5	1049.3	1052.6
15°	1023.4	1025.0	1031.5	1038.0	1042.8
17.5°	1005.6	1007.2	1016.9	1023.4	1029.9
20°	984.5	986.2	997.5	1007.2	1015.3
22.5°	960.3	963.5	976.5	989.4	995.9
25°	934.3	937.6	952.2	968.4	976.5
27.5°	906.8	911.7	926.3	944.1	953.8
30°	876.1	882.5	900.3	919.8	929.5
32.5°	845.3	851.8	871.2	893.9	903.6
35°	814.5	821.0	842.0	864.7	876.1
37.5°	780.5	787.0	809.7	834.0	846.9
40°	748.1	754.6	775.7	803.2	814.5
42.5°	712.5	719.0	741.6	767.6	780.5
45°	673.6	683.4	706.0	731.9	744.9
47.5°	638.0	646.1	667.2	694.7	707.6
50°	600.8	608.9	628.3	655.8	665.5
52.5°	563.5	571.6	591.1	617.0	626.7
55°	524.7	532.8	550.6	574.9	583.0
57.5°	487.4	493.9	510.1	532.8	539.2
60°	448.6	455.0	468.0	489.0	493.9
62.5°	406.4	411.3	425.9	445.3	451.8
65°	367.6	370.8	382.2	398.4	400.0
67.5°	327.1	330.3	341.7	353.0	357.9
70°	286.6	291.5	299.6	310.9	314.1
72.5°	247.8	252.6	260.7	270.4	272.0
75°	208.9	213.8	221.8	231.6	231.6
77.5°	171.6	176.5	186.2	194.3	194.3
80°	134.4	142.5	152.2	160.3	160.3
82.5°	103.6	110.1	123.1	129.5	129.5
85°	76.1	84.2	97.2	103.6	102.0
87.5°	55.1	63.2	74.5	79.3	77.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)