

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: P385125

Luminaire Tested: **22ID-25-L850-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385125  
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: 22ID-25-L850-CNC  
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

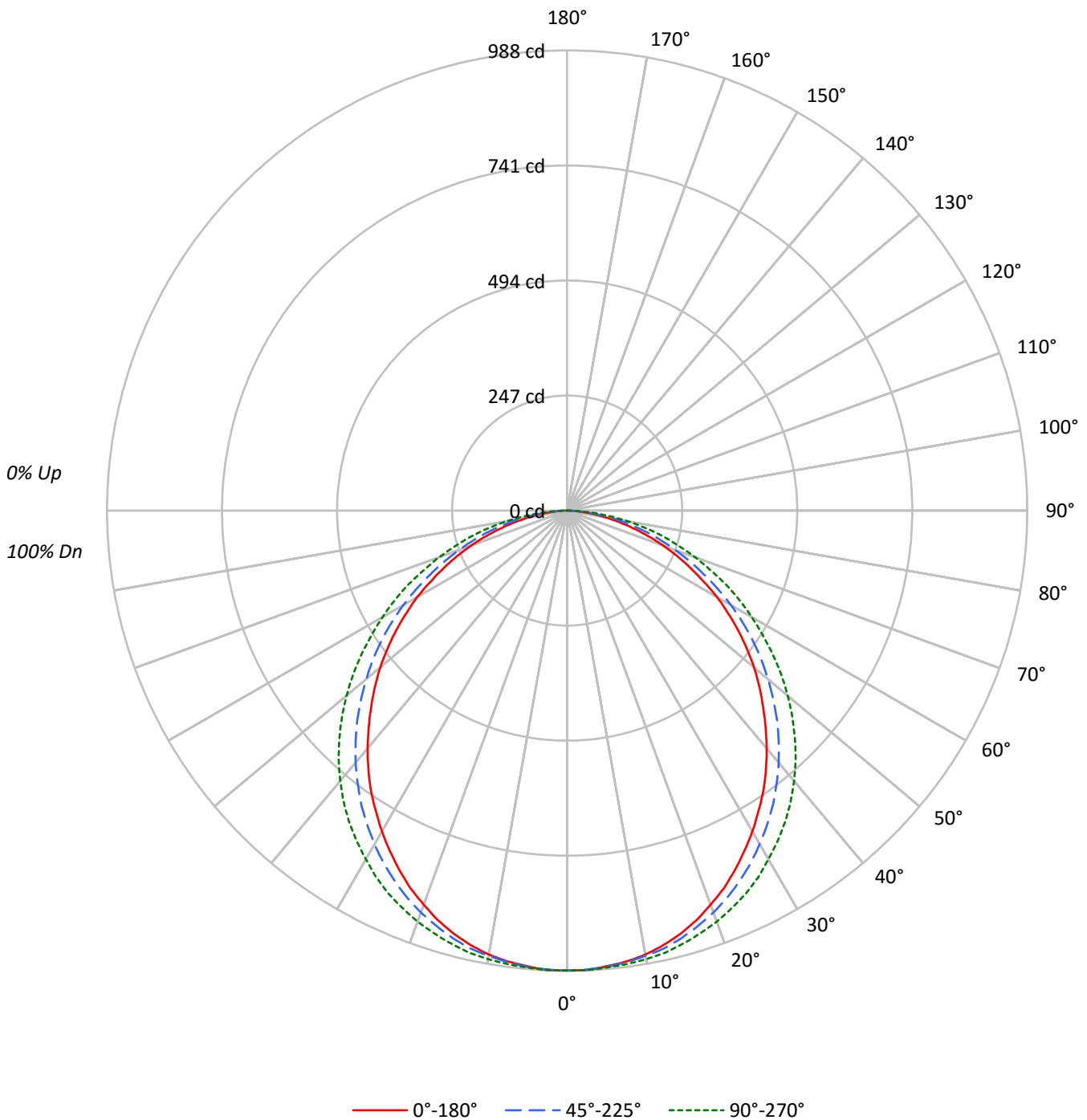
Lumens per Lamp: N/A  
Luminaire Lumens: 2741.8 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.7  
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°	2657	2657	2657
5°	2653	2656	2660
10°	2645	2653	2672
15°	2620	2647	2682
20°	2578	2630	2689
25°	2530	2604	2694
30°	2471	2570	2686
35°	2413	2531	2681
40°	2342	2483	2662
45°	2263	2426	2632
50°	2195	2357	2588
55°	2102	2284	2531
60°	2002	2188	2464
65°	1867	2060	2395
70°	1719	1937	2296
75°	1524	1798	2200
80°	1286	1607	2036
85°	939	1238	1624



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.5	3.4
10°-20°	268.2	9.8
20°-30°	404.5	14.8
30°-40°	482.9	17.6
40°-50°	493.5	18.0
50°-60°	437.6	16.0
60°-70°	326.2	11.9
70°-80°	186.3	6.8
80°-90°	49.1	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°	766.1	27.9
0°-40°	1249.0	45.6
0°-60°	2180.1	79.5
0°-90°	2741.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2741.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	988	988	988	988	988	
5°	982	982	983	983	985	93
15°	940	943	950	958	963	265
25°	852	859	877	896	907	392
35°	734	744	770	801	816	459
45°	595	607	638	672	692	459
55°	448	456	487	521	539	400
65°	293	300	324	357	376	291
75°	147	154	173	199	212	156
85°	30	32	40	50	53	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	987.5	987.5	987.5	987.5	987.5
2.5°	987.5	986.1	986.1	986.1	987.5
5°	982.0	982.0	983.4	983.4	984.7
7.5°	976.4	976.4	977.8	979.2	982.0
10°	968.1	968.1	970.9	975.1	977.8
12.5°	955.7	957.1	962.6	968.1	972.3
15°	940.5	943.2	950.2	958.5	962.6
17.5°	922.5	925.3	934.9	946.0	951.5
20°	900.4	905.9	918.3	932.2	939.1
22.5°	878.2	883.8	899.0	915.6	923.9
25°	852.0	858.9	876.9	896.2	907.3
27.5°	824.3	832.6	853.3	875.5	887.9
30°	795.3	804.9	827.1	852.0	864.4
32.5°	764.8	774.5	799.4	827.1	840.9
35°	734.4	744.1	770.4	800.8	816.0
37.5°	701.2	710.9	738.6	771.7	788.3
40°	666.6	677.7	706.7	739.9	757.9
42.5°	630.7	643.1	672.2	708.1	726.1
45°	594.7	607.2	637.6	672.2	691.5
47.5°	560.1	569.8	600.2	636.2	655.6
50°	524.2	532.5	562.9	598.9	618.2
52.5°	485.5	496.5	525.6	561.5	579.5
55°	448.1	456.4	486.8	521.4	539.4
57.5°	409.4	417.7	446.7	481.3	497.9
60°	372.0	380.3	406.6	441.2	457.8
62.5°	330.5	338.8	365.1	401.1	417.7
65°	293.2	300.1	323.6	356.8	376.2
67.5°	255.9	262.8	284.9	316.7	331.9
70°	218.5	224.1	246.2	275.2	291.8
72.5°	182.6	188.1	210.2	236.5	250.3
75°	146.6	153.5	172.9	199.2	211.6
77.5°	113.4	120.3	136.9	160.4	171.5
80°	83.0	88.5	103.7	121.7	131.4
82.5°	55.3	59.5	70.5	85.7	92.7
85°	30.4	31.8	40.1	49.8	52.6
87.5°	12.4	12.4	15.2	16.6	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)