

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: P385065

Luminaire Tested: **14ID-20-L850-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385065  
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-20-L850-CNC  
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

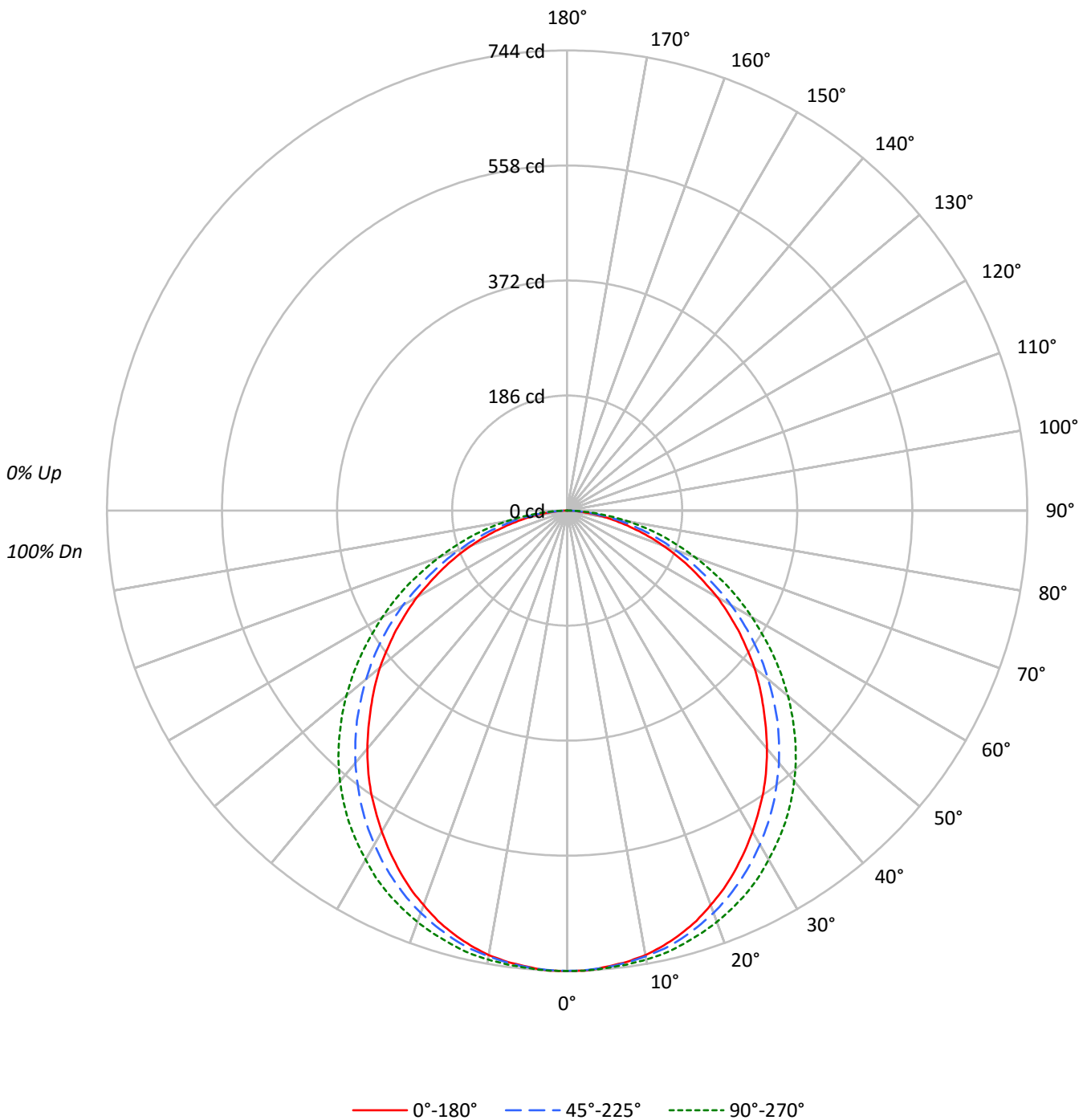
Lumens per Lamp: N/A  
Luminaire Lumens: 2066.7 lumens  
Efficiency: N/A  
Efficacy: 125.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.5  
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°	2003	2003	2003
5°	1999	2002	2005
10°	1994	2000	2014
15°	1975	1995	2021
20°	1944	1982	2027
25°	1907	1963	2031
30°	1863	1937	2025
35°	1819	1908	2021
40°	1765	1871	2007
45°	1706	1829	1984
50°	1654	1776	1951
55°	1585	1722	1908
60°	1509	1650	1857
65°	1407	1553	1806
70°	1296	1460	1731
75°	1149	1355	1658
80°	970	1212	1534
85°	707	932	1223



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.5	3.4
10°-20°	202.1	9.8
20°-30°	304.9	14.8
30°-40°	364.0	17.6
40°-50°	372.0	18.0
50°-60°	329.9	16.0
60°-70°	245.9	11.9
70°-80°	140.5	6.8
80°-90°	37.0	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°	577.5	27.9
0°-40°	941.4	45.6
0°-60°	1643.3	79.5
0°-90°	2066.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2066.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	744	744	744	744	744	
5°	740	740	741	741	742	70
15°	709	711	716	722	726	200
25°	642	647	661	676	684	296
35°	554	561	581	604	615	346
45°	448	458	481	507	521	346
55°	338	344	367	393	407	302
65°	221	226	244	269	284	219
75°	110	116	130	150	160	118
85°	23	24	30	38	40	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	744.4	744.4	744.4	744.4	744.4
2.5°	744.4	743.3	743.3	743.3	744.4
5°	740.2	740.2	741.2	741.2	742.3
7.5°	736.0	736.0	737.1	738.1	740.2
10°	729.8	729.8	731.8	735.0	737.1
12.5°	720.4	721.4	725.6	729.8	732.9
15°	708.9	711.0	716.2	722.5	725.6
17.5°	695.4	697.4	704.7	713.1	717.2
20°	678.7	682.8	692.2	702.7	707.9
22.5°	662.0	666.2	677.6	690.1	696.4
25°	642.2	647.4	661.0	675.5	683.9
27.5°	621.3	627.6	643.2	659.9	669.3
30°	599.4	606.7	623.4	642.2	651.6
32.5°	576.5	583.8	602.6	623.4	633.8
35°	553.6	560.9	580.7	603.6	615.1
37.5°	528.6	535.9	556.7	581.7	594.2
40°	502.5	510.8	532.7	557.7	571.3
42.5°	475.4	484.8	506.7	533.8	547.3
45°	448.3	457.7	480.6	506.7	521.3
47.5°	422.2	429.5	452.4	479.6	494.2
50°	395.1	401.4	424.3	451.4	466.0
52.5°	365.9	374.3	396.2	423.3	436.8
55°	337.8	344.0	367.0	393.0	406.6
57.5°	308.6	314.8	336.7	362.8	375.3
60°	280.4	286.7	306.5	332.6	345.1
62.5°	249.2	255.4	275.2	302.3	314.8
65°	221.0	226.2	243.9	269.0	283.6
67.5°	192.9	198.1	214.8	238.7	250.2
70°	164.7	168.9	185.6	207.5	220.0
72.5°	137.6	141.8	158.5	178.3	188.7
75°	110.5	115.7	130.3	150.1	159.5
77.5°	85.5	90.7	103.2	120.9	129.3
80°	62.6	66.7	78.2	91.7	99.0
82.5°	41.7	44.8	53.2	64.6	69.8
85°	22.9	24.0	30.2	37.5	39.6
87.5°	9.4	9.4	11.5	12.5	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)