

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: P385117

Luminaire Tested: **14ID-85-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385117
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-85-L850-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

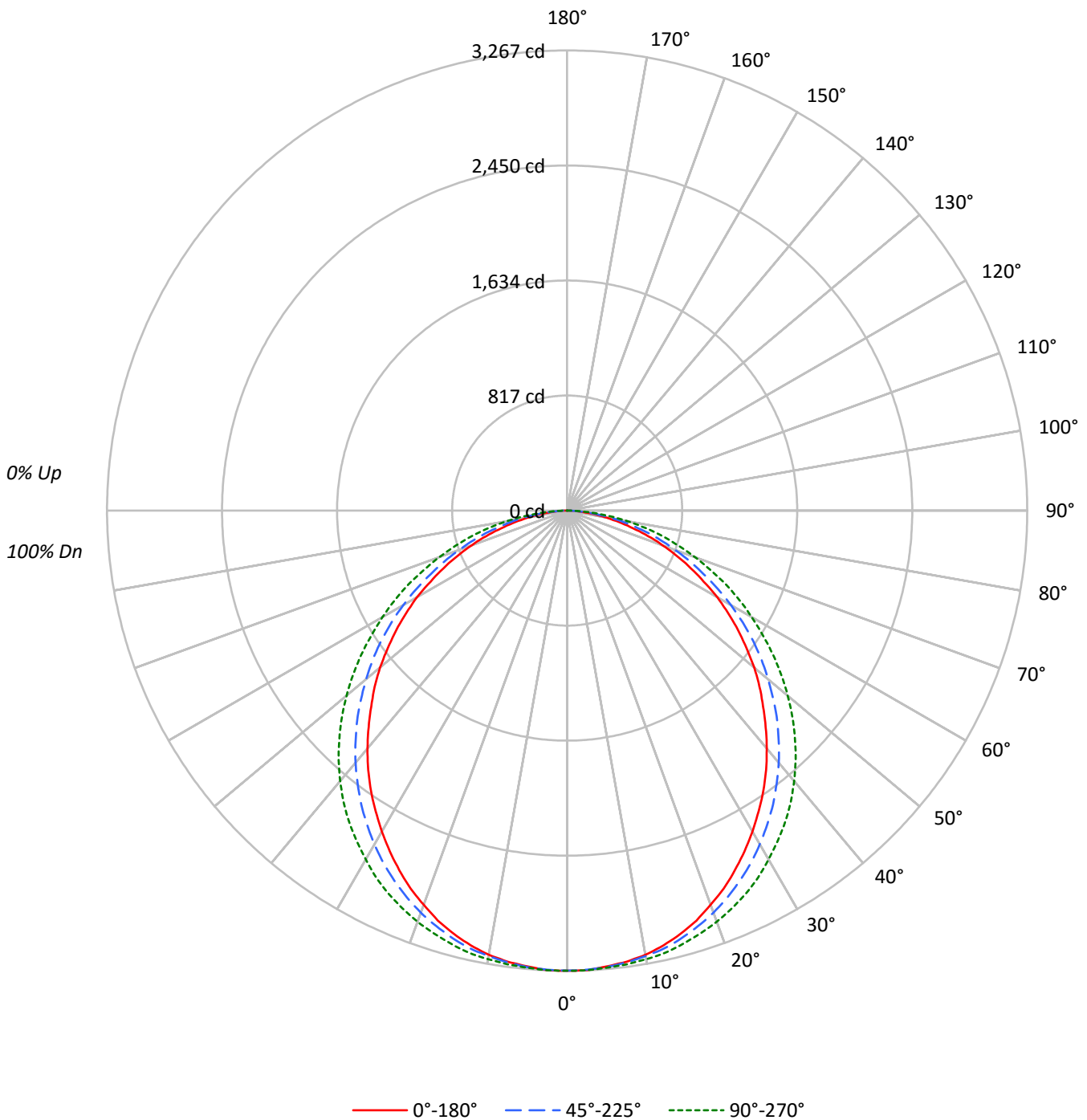
Lumens per Lamp: N/A
Luminaire Lumens: 9070.1 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 83.3
Input Voltage (V): NR
Input Current (A_{in}): 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°	8791	8791	8791
5°	8775	8787	8800
10°	8751	8776	8839
15°	8668	8757	8871
20°	8529	8700	8896
25°	8368	8613	8912
30°	8175	8502	8885
35°	7981	8372	8868
40°	7747	8213	8807
45°	7487	8027	8706
50°	7259	7796	8562
55°	6955	7556	8372
60°	6624	7239	8150
65°	6176	6817	7924
70°	5688	6408	7596
75°	5043	5946	7278
80°	4254	5317	6735
85°	3109	4097	5369



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.2	3.4
10°-20°	887.1	9.8
20°-30°	1338.0	14.8
30°-40°	1597.4	17.6
40°-50°	1632.6	18.0
50°-60°	1447.6	16.0
60°-70°	1079.1	11.9
70°-80°	616.5	6.8
80°-90°	162.6	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°	2534.4	27.9
0°-40°	4131.7	45.6
0°-60°	7211.9	79.5
0°-90°	9070.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9070.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3267	3267	3267	3267	3267	
5°	3248	3248	3253	3253	3258	309
15°	3111	3120	3143	3171	3184	877
25°	2818	2841	2901	2965	3001	1298
35°	2430	2462	2548	2649	2699	1518
45°	1967	2008	2109	2224	2288	1520
55°	1482	1510	1610	1725	1784	1325
65°	970	993	1071	1180	1244	961
75°	485	508	572	659	700	517
85°	101	105	133	165	174	126
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3266.7	3266.7	3266.7	3266.7	3266.7
2.5°	3266.7	3262.2	3262.2	3262.2	3266.7
5°	3248.4	3248.4	3253.0	3253.0	3257.6
7.5°	3230.1	3230.1	3234.7	3239.3	3248.4
10°	3202.7	3202.7	3211.8	3225.6	3234.7
12.5°	3161.5	3166.1	3184.4	3202.7	3216.4
15°	3111.2	3120.3	3143.2	3170.7	3184.4
17.5°	3051.7	3060.8	3092.9	3129.5	3147.8
20°	2978.5	2996.8	3038.0	3083.7	3106.6
22.5°	2905.3	2923.6	2973.9	3028.8	3056.3
25°	2818.4	2841.2	2900.7	2964.8	3001.4
27.5°	2726.9	2754.3	2822.9	2896.1	2937.3
30°	2630.8	2662.8	2736.0	2818.4	2859.5
32.5°	2530.1	2562.1	2644.5	2736.0	2781.8
35°	2429.5	2461.5	2548.4	2649.1	2699.4
37.5°	2319.7	2351.7	2443.2	2553.0	2607.9
40°	2205.3	2241.9	2338.0	2447.8	2507.2
42.5°	2086.3	2127.5	2223.6	2342.5	2402.0
45°	1967.4	2008.5	2109.2	2223.6	2287.6
47.5°	1853.0	1885.0	1985.7	2104.6	2168.7
50°	1734.0	1761.5	1862.1	1981.1	2045.1
52.5°	1605.9	1642.5	1738.6	1857.6	1917.0
55°	1482.4	1509.8	1610.5	1724.9	1784.4
57.5°	1354.3	1381.7	1477.8	1592.2	1647.1
60°	1230.7	1258.2	1345.1	1459.5	1514.4
62.5°	1093.5	1120.9	1207.9	1326.8	1381.7
65°	970.0	992.8	1070.6	1180.4	1244.5
67.5°	846.4	869.3	942.5	1047.7	1098.1
70°	722.9	741.2	814.4	910.5	965.4
72.5°	603.9	622.2	695.4	782.4	828.1
75°	485.0	507.9	571.9	658.8	700.0
77.5°	375.2	398.0	453.0	530.7	567.3
80°	274.5	292.8	343.1	402.6	434.6
82.5°	183.0	196.7	233.3	283.7	306.5
85°	100.7	105.2	132.7	164.7	173.9
87.5°	41.2	41.2	50.3	54.9	59.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)