

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: P385115

Luminaire Tested: **14ID-85-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385115
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-L835-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

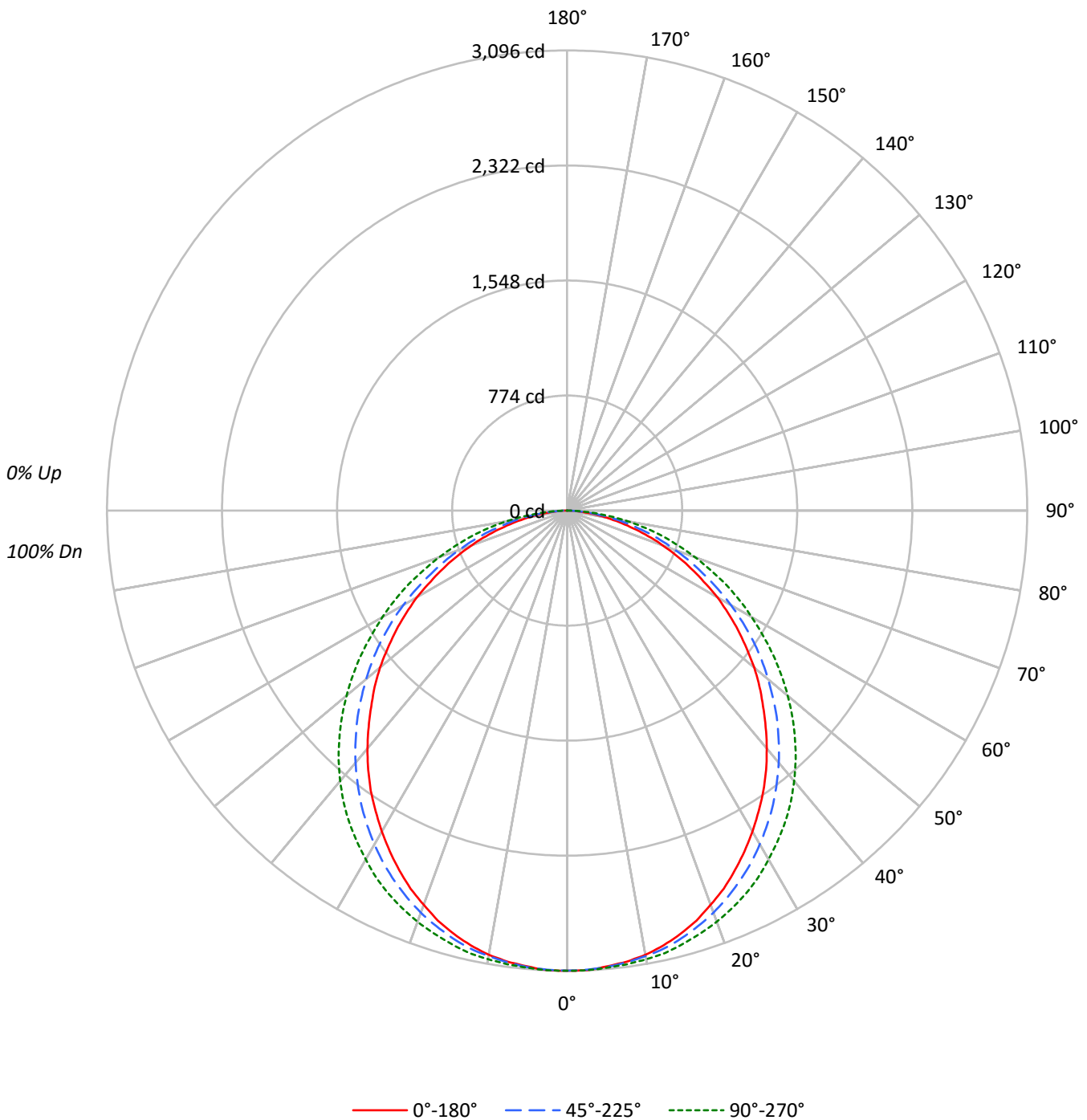
Lumens per Lamp: N/A
Luminaire Lumens: 8595.7 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 83.3
Input Voltage (V): NR
Input Current (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	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°	8331	8331	8331
5°	8316	8328	8339
10°	8294	8317	8376
15°	8214	8299	8407
20°	8083	8245	8431
25°	7930	8162	8445
30°	7747	8057	8421
35°	7564	7934	8404
40°	7341	7783	8347
45°	7096	7607	8251
50°	6880	7388	8114
55°	6591	7161	7933
60°	6278	6861	7724
65°	5853	6460	7510
70°	5390	6072	7198
75°	4779	5635	6897
80°	4032	5040	6383
85°	2946	3881	5088



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.1	3.4
10°-20°	840.7	9.8
20°-30°	1268.0	14.8
30°-40°	1513.8	17.6
40°-50°	1547.2	18.0
50°-60°	1371.9	16.0
60°-70°	1022.7	11.9
70°-80°	584.2	6.8
80°-90°	154.1	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°	2401.8	27.9
0°-40°	3915.6	45.6
0°-60°	6834.7	79.5
0°-90°	8595.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8595.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3096	3096	3096	3096	3096	
5°	3078	3078	3083	3083	3087	293
15°	2948	2957	2979	3005	3018	831
25°	2671	2693	2749	2810	2844	1230
35°	2302	2333	2415	2510	2558	1438
45°	1864	1904	1999	2107	2168	1440
55°	1405	1431	1526	1635	1691	1255
65°	919	941	1015	1119	1179	911
75°	460	481	542	624	663	490
85°	95	100	126	156	165	119
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3095.9	3095.9	3095.9	3095.9	3095.9
2.5°	3095.9	3091.5	3091.5	3091.5	3095.9
5°	3078.5	3078.5	3082.9	3082.9	3087.2
7.5°	3061.2	3061.2	3065.5	3069.9	3078.5
10°	3035.2	3035.2	3043.8	3056.8	3065.5
12.5°	2996.1	3000.5	3017.8	3035.2	3048.2
15°	2948.4	2957.1	2978.8	3004.8	3017.8
17.5°	2892.1	2900.8	2931.1	2965.8	2983.1
20°	2822.7	2840.0	2879.1	2922.4	2944.1
22.5°	2753.3	2770.7	2818.4	2870.4	2896.4
25°	2670.9	2692.6	2749.0	2809.7	2844.4
27.5°	2584.2	2610.2	2675.3	2744.7	2783.7
30°	2493.2	2523.5	2592.9	2670.9	2710.0
32.5°	2397.8	2428.1	2506.2	2592.9	2636.3
35°	2302.4	2332.7	2415.1	2510.5	2558.2
37.5°	2198.3	2228.7	2315.4	2419.5	2471.5
40°	2089.9	2124.6	2215.7	2319.7	2376.1
42.5°	1977.2	2016.2	2107.3	2220.0	2276.4
45°	1864.5	1903.5	1998.9	2107.3	2168.0
47.5°	1756.1	1786.4	1881.8	1994.5	2055.2
50°	1643.3	1669.3	1764.7	1877.5	1938.2
52.5°	1521.9	1556.6	1647.7	1760.4	1816.8
55°	1404.8	1430.9	1526.3	1634.7	1691.0
57.5°	1283.4	1309.5	1400.5	1508.9	1560.9
60°	1166.4	1192.4	1274.8	1383.2	1435.2
62.5°	1036.3	1062.3	1144.7	1257.4	1309.5
65°	919.2	940.9	1014.6	1118.7	1179.4
67.5°	802.2	823.8	893.2	992.9	1040.6
70°	685.1	702.4	771.8	862.9	914.9
72.5°	572.3	589.7	659.1	741.4	784.8
75°	459.6	481.3	542.0	624.4	663.4
77.5°	355.5	377.2	429.3	503.0	537.7
80°	260.2	277.5	325.2	381.6	411.9
82.5°	173.4	186.4	221.1	268.8	290.5
85°	95.4	99.7	125.7	156.1	164.8
87.5°	39.0	39.0	47.7	52.0	56.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)