

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: P385109

Luminaire Tested: **14ID-75-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385109
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-75-L850-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

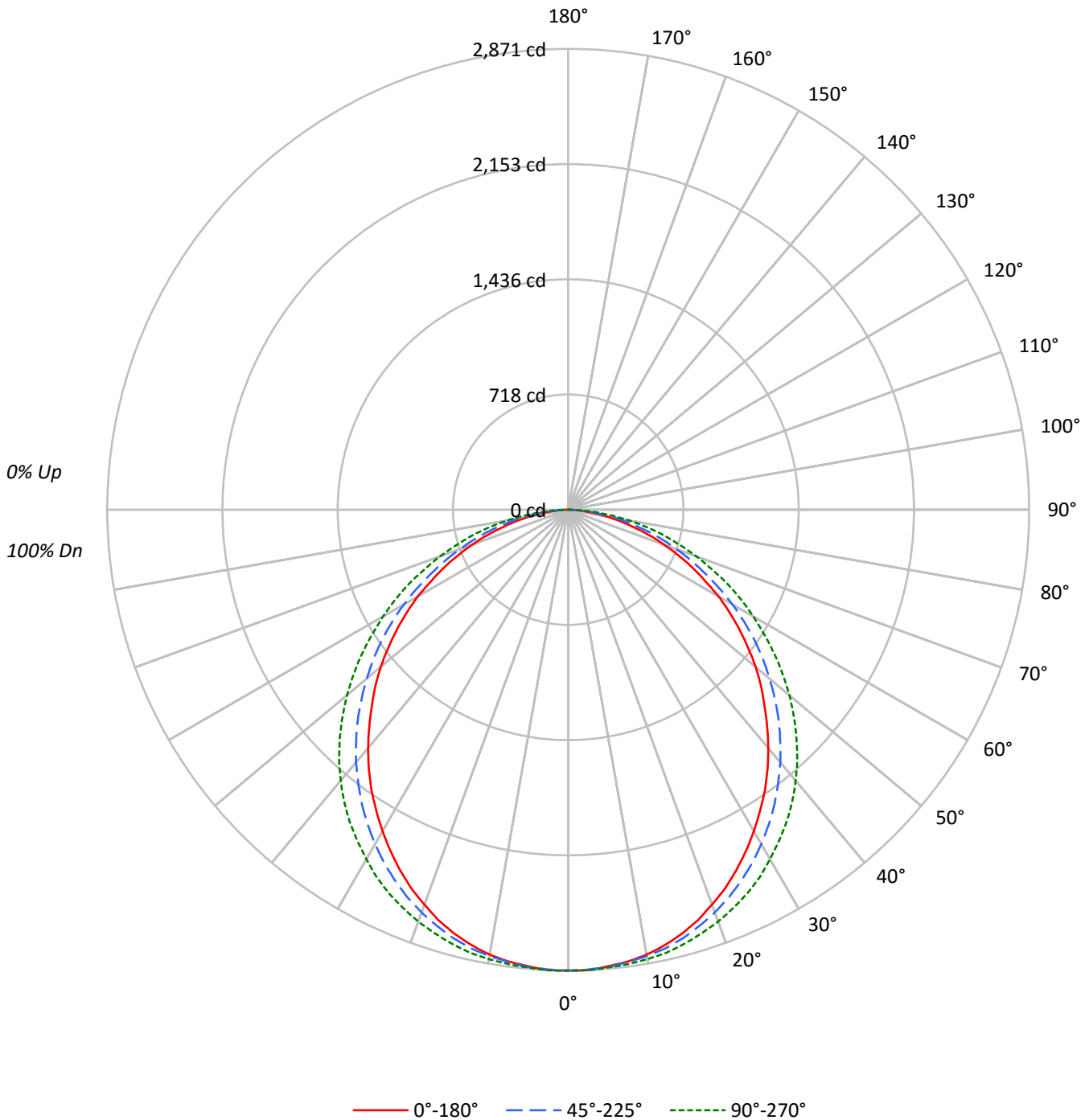
Lumens per Lamp: N/A
Luminaire Lumens: 7972.5 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 70.9
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°	7727	7727	7727
5°	7713	7724	7735
10°	7692	7714	7769
15°	7619	7697	7798
20°	7497	7647	7820
25°	7356	7570	7833
30°	7185	7473	7810
35°	7015	7359	7795
40°	6809	7219	7742
45°	6581	7056	7652
50°	6381	6852	7526
55°	6113	6641	7358
60°	5822	6363	7164
65°	5429	5992	6965
70°	4999	5632	6677
75°	4432	5227	6397
80°	3739	4674	5921
85°	2732	3600	4718



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.8	3.4
10°-20°	779.8	9.8
20°-30°	1176.1	14.8
30°-40°	1404.0	17.6
40°-50°	1435.0	18.0
50°-60°	1272.4	16.0
60°-70°	948.6	11.9
70°-80°	541.9	6.8
80°-90°	142.9	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°	2227.7	27.9
0°-40°	3631.7	45.6
0°-60°	6339.1	79.5
0°-90°	7972.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7972.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2871	2871	2871	2871	2871	
5°	2855	2855	2859	2859	2863	271
15°	2735	2743	2763	2787	2799	771
25°	2477	2497	2550	2606	2638	1141
35°	2136	2164	2240	2328	2373	1334
45°	1729	1766	1854	1954	2011	1336
55°	1303	1327	1416	1516	1568	1164
65°	853	873	941	1038	1094	845
75°	426	446	503	579	615	455
85°	88	92	117	145	153	110
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2871.4	2871.4	2871.4	2871.4	2871.4
2.5°	2871.4	2867.4	2867.4	2867.4	2871.4
5°	2855.3	2855.3	2859.4	2859.4	2863.4
7.5°	2839.2	2839.2	2843.3	2847.3	2855.3
10°	2815.1	2815.1	2823.2	2835.2	2843.3
12.5°	2778.9	2782.9	2799.0	2815.1	2827.2
15°	2734.7	2742.7	2762.8	2787.0	2799.0
17.5°	2682.4	2690.4	2718.6	2750.8	2766.9
20°	2618.1	2634.1	2670.3	2710.6	2730.7
22.5°	2553.7	2569.8	2614.0	2662.3	2686.4
25°	2477.3	2497.4	2549.7	2606.0	2638.2
27.5°	2396.9	2421.0	2481.3	2545.7	2581.9
30°	2312.4	2340.6	2404.9	2477.3	2513.5
32.5°	2223.9	2252.1	2324.5	2404.9	2445.1
35°	2135.5	2163.6	2240.0	2328.5	2372.7
37.5°	2038.9	2067.1	2147.5	2244.0	2292.3
40°	1938.4	1970.6	2055.0	2151.6	2203.8
42.5°	1833.8	1870.0	1954.5	2059.1	2111.3
45°	1729.3	1765.5	1854.0	1954.5	2010.8
47.5°	1628.7	1656.9	1745.4	1849.9	1906.2
50°	1524.2	1548.3	1636.8	1741.3	1797.7
52.5°	1411.6	1443.8	1528.2	1632.8	1685.0
55°	1303.0	1327.1	1415.6	1516.1	1568.4
57.5°	1190.4	1214.5	1299.0	1399.5	1447.8
60°	1081.8	1105.9	1182.3	1282.9	1331.1
62.5°	961.2	985.3	1061.7	1166.3	1214.5
65°	852.6	872.7	941.1	1037.6	1093.9
67.5°	744.0	764.1	828.4	920.9	965.2
70°	635.4	651.5	715.8	800.3	848.6
72.5°	530.9	546.9	611.3	687.7	727.9
75°	426.3	446.4	502.7	579.1	615.3
77.5°	329.8	349.9	398.1	466.5	498.7
80°	241.3	257.4	301.6	353.9	382.1
82.5°	160.9	172.9	205.1	249.3	269.4
85°	88.5	92.5	116.6	144.8	152.8
87.5°	36.2	36.2	44.2	48.3	52.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)