

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: P385214

Luminaire Tested: **24ID-75-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385214
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: 24ID-75-L830-CNC
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

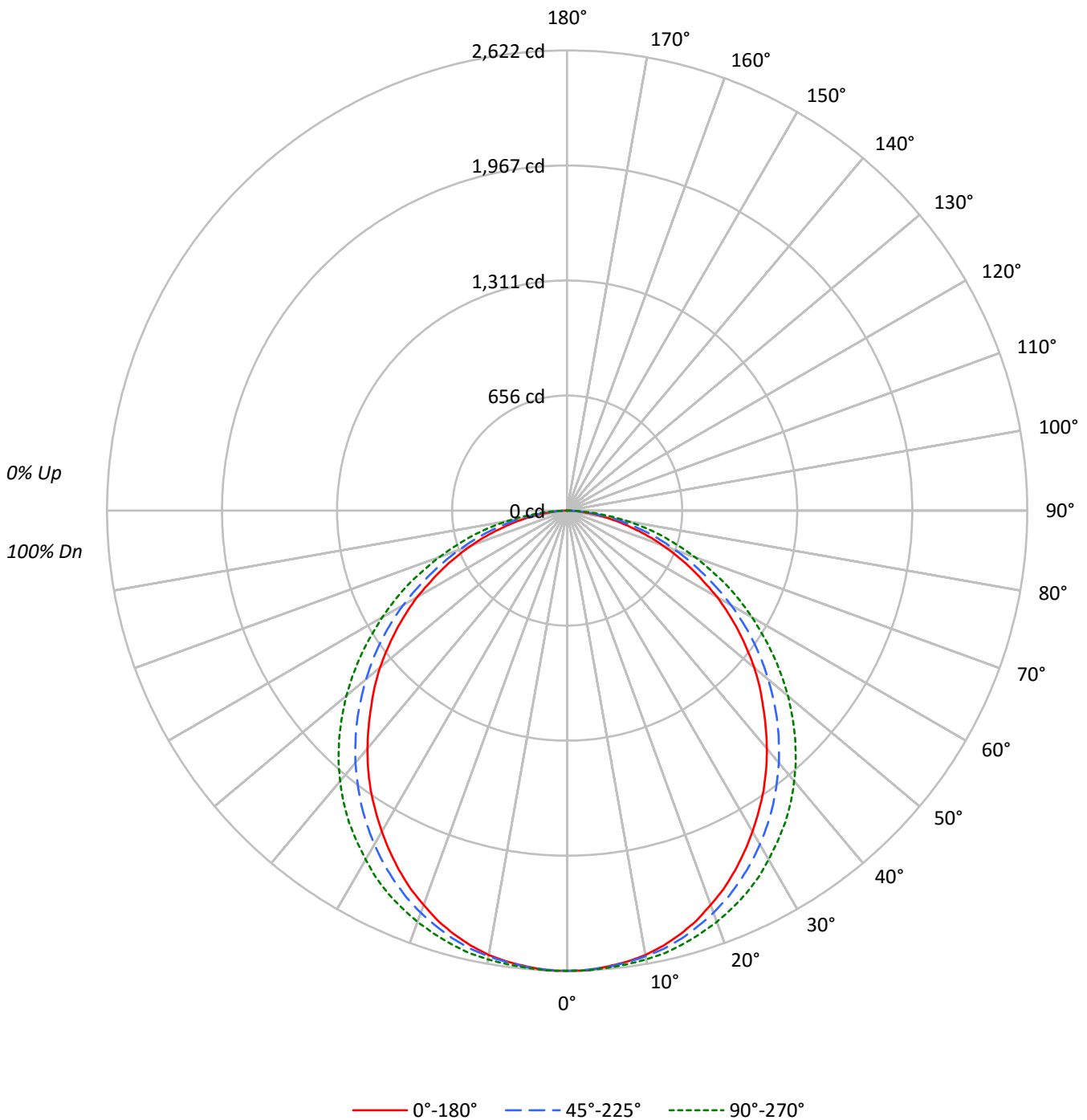
Lumens per Lamp: N/A
Luminaire Lumens: 7281.4 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 70.8
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°	3529	3529	3529
5°	3522	3527	3532
10°	3513	3523	3548
15°	3479	3515	3561
20°	3424	3492	3571
25°	3359	3457	3577
30°	3281	3412	3567
35°	3204	3360	3560
40°	3110	3297	3535
45°	3005	3222	3495
50°	2914	3129	3437
55°	2791	3033	3360
60°	2659	2906	3272
65°	2479	2736	3181
70°	2283	2572	3049
75°	2024	2387	2922
80°	1708	2135	2703
85°	1247	1644	2155



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.3	3.4
10°-20°	712.2	9.8
20°-30°	1074.1	14.8
30°-40°	1282.3	17.6
40°-50°	1310.6	18.0
50°-60°	1162.1	16.0
60°-70°	866.3	11.9
70°-80°	494.9	6.8
80°-90°	130.5	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°	2034.6	27.9
0°-40°	3316.9	45.6
0°-60°	5789.6	79.5
0°-90°	7281.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7281.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2622	2622	2622	2622	2622	
5°	2608	2608	2612	2612	2615	248
15°	2498	2505	2523	2545	2556	704
25°	2263	2281	2329	2380	2410	1042
35°	1950	1976	2046	2127	2167	1218
45°	1579	1612	1693	1785	1836	1220
55°	1190	1212	1293	1385	1432	1063
65°	779	797	860	948	999	772
75°	389	408	459	529	562	415
85°	81	84	106	132	140	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2622.5	2622.5	2622.5	2622.5	2622.5
2.5°	2622.5	2618.8	2618.8	2618.8	2622.5
5°	2607.8	2607.8	2611.5	2611.5	2615.2
7.5°	2593.1	2593.1	2596.8	2600.5	2607.8
10°	2571.1	2571.1	2578.4	2589.4	2596.8
12.5°	2538.0	2541.7	2556.4	2571.1	2582.1
15°	2497.6	2505.0	2523.3	2545.4	2556.4
17.5°	2449.9	2457.2	2482.9	2512.3	2527.0
20°	2391.1	2405.8	2438.9	2475.6	2494.0
22.5°	2332.3	2347.0	2387.4	2431.5	2453.5
25°	2262.6	2280.9	2328.7	2380.1	2409.5
27.5°	2189.1	2211.1	2266.2	2325.0	2358.1
30°	2112.0	2137.7	2196.4	2262.6	2295.6
32.5°	2031.2	2056.9	2123.0	2196.4	2233.2
35°	1950.4	1976.1	2045.8	2126.7	2167.1
37.5°	1862.2	1887.9	1961.4	2049.5	2093.6
40°	1770.4	1799.8	1876.9	1965.0	2012.8
42.5°	1674.9	1707.9	1785.1	1880.6	1928.3
45°	1579.4	1612.4	1693.2	1785.1	1836.5
47.5°	1487.6	1513.3	1594.1	1689.6	1741.0
50°	1392.1	1414.1	1494.9	1590.4	1641.8
52.5°	1289.2	1318.6	1395.7	1491.2	1539.0
55°	1190.0	1212.1	1292.9	1384.7	1432.5
57.5°	1087.2	1109.2	1186.4	1278.2	1322.3
60°	988.0	1010.1	1079.9	1171.7	1215.8
62.5°	877.8	899.9	969.7	1065.2	1109.2
65°	778.7	797.0	859.5	947.6	999.0
67.5°	679.5	697.9	756.6	841.1	881.5
70°	580.3	595.0	653.8	730.9	775.0
72.5°	484.8	499.5	558.3	628.1	664.8
75°	389.3	407.7	459.1	528.9	562.0
77.5°	301.2	319.5	363.6	426.1	455.4
80°	220.4	235.1	275.5	323.2	348.9
82.5°	146.9	157.9	187.3	227.7	246.1
85°	80.8	84.5	106.5	132.2	139.6
87.5°	33.1	33.1	40.4	44.1	47.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)