

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: P384038

Luminaire Tested: **24ID-75-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24ID-75-L830-CFR2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

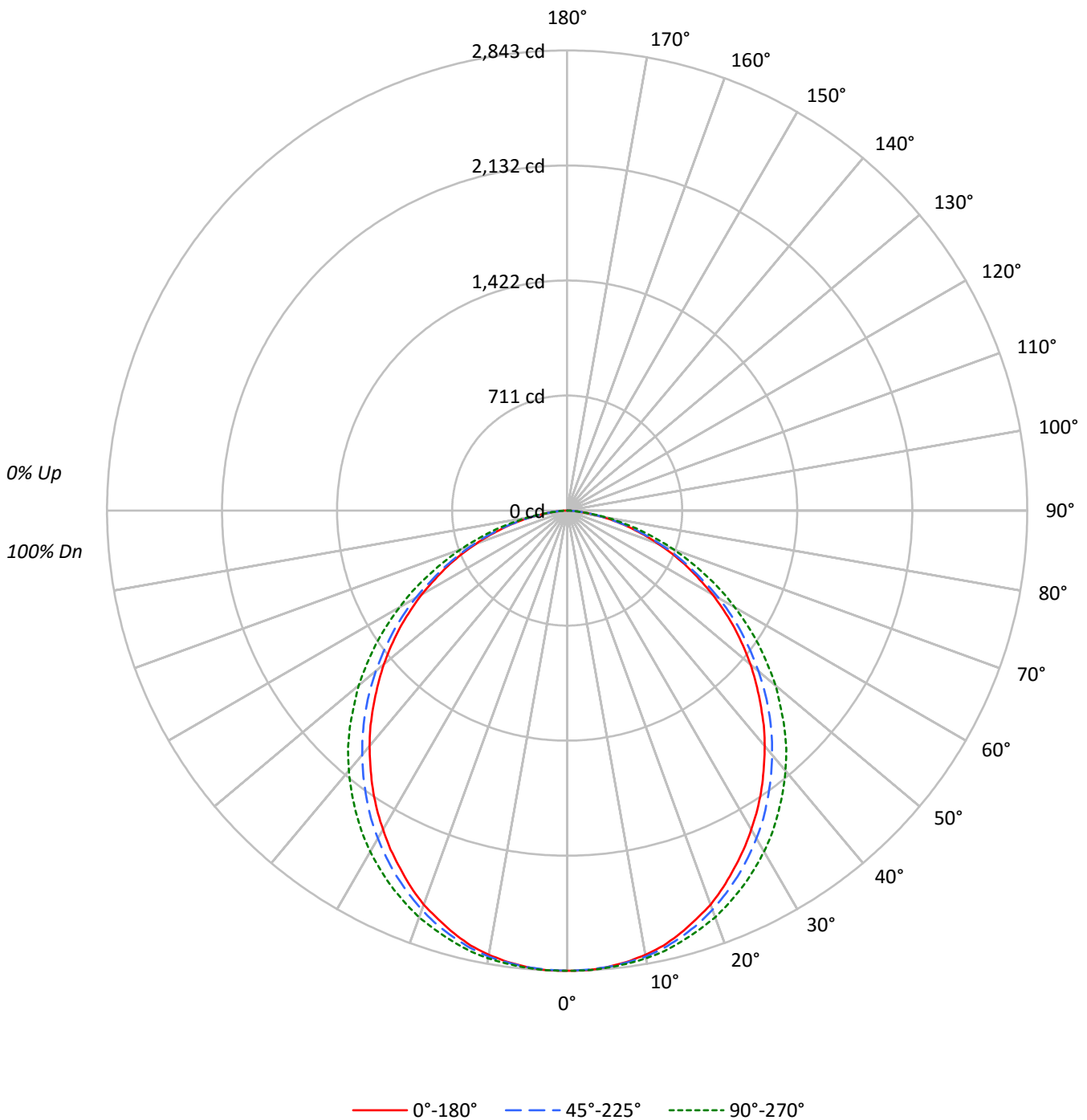
Lumens per Lamp: N/A
Luminaire Lumens: 7505.0 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	105	101	97	107	102	99	95	98	95	92		94	92	89		91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77		83	79	75		80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		53	47	42		52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33		45	38	33		44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3825	3825	3825
5°	3825	3825	3830
10°	3807	3823	3838
15°	3766	3798	3834
20°	3710	3758	3828
25°	3623	3702	3808
30°	3535	3634	3780
35°	3440	3552	3737
40°	3336	3461	3686
45°	3213	3356	3614
50°	3094	3227	3519
55°	2955	3088	3388
60°	2793	2914	3218
65°	2598	2682	3005
70°	2352	2441	2752
75°	2053	2131	2405
80°	1661	1690	1894
85°	986	1104	929



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.1	3.6
10°-20°	769.2	10.2
20°-30°	1150.7	15.3
30°-40°	1359.5	18.1
40°-50°	1371.8	18.3
50°-60°	1191.3	15.9
60°-70°	854.3	11.4
70°-80°	445.0	5.9
80°-90°	93.9	1.3
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°	2189.1	29.2
0°-40°	3548.6	47.3
0°-60°	6111.8	81.4
0°-90°	7505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7505.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2843	2843	2843	2843	2843	
5°	2832	2828	2832	2832	2836	269
15°	2704	2708	2726	2745	2753	762
25°	2441	2456	2493	2542	2565	1125
35°	2095	2110	2162	2241	2275	1309
45°	1688	1707	1764	1854	1899	1304
55°	1260	1271	1316	1403	1444	1125
65°	816	812	842	906	944	807
75°	395	391	410	440	463	421
85°	64	72	72	64	60	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2843.0	2843.0	2843.0	2843.0	2843.0
2.5°	2843.0	2839.2	2839.2	2839.2	2843.0
5°	2831.7	2828.0	2831.7	2831.7	2835.5
7.5°	2812.9	2809.1	2816.7	2820.4	2824.2
10°	2786.6	2786.6	2797.9	2805.4	2809.1
12.5°	2752.7	2752.7	2767.8	2779.1	2786.6
15°	2703.9	2707.6	2726.4	2745.2	2752.7
17.5°	2647.4	2658.7	2681.3	2707.6	2715.1
20°	2591.0	2598.6	2624.9	2658.7	2673.8
22.5°	2519.6	2530.9	2561.0	2606.1	2621.1
25°	2440.6	2455.7	2493.3	2542.1	2564.7
27.5°	2361.6	2372.9	2418.0	2474.5	2500.8
30°	2275.1	2290.2	2339.1	2403.0	2433.1
32.5°	2188.7	2199.9	2256.3	2324.0	2357.9
35°	2094.6	2109.7	2162.3	2241.3	2275.1
37.5°	1996.9	2015.7	2068.3	2151.0	2188.7
40°	1899.1	1910.4	1970.5	2053.3	2098.4
42.5°	1797.6	1812.6	1869.0	1959.3	2004.4
45°	1688.5	1707.3	1763.7	1854.0	1899.1
47.5°	1583.2	1602.0	1654.7	1744.9	1786.3
50°	1477.9	1489.2	1541.8	1632.1	1681.0
52.5°	1368.8	1380.1	1429.0	1515.5	1560.6
55°	1259.8	1271.1	1316.2	1402.7	1444.1
57.5°	1147.0	1154.5	1199.6	1278.6	1320.0
60°	1037.9	1041.7	1083.0	1154.5	1195.9
62.5°	921.3	925.1	955.2	1037.9	1075.5
65°	816.0	812.3	842.4	906.3	943.9
67.5°	707.0	707.0	733.3	789.7	819.8
70°	597.9	597.9	620.5	669.4	699.5
72.5°	496.4	496.4	515.2	552.8	575.4
75°	394.9	391.1	409.9	440.0	462.6
77.5°	300.8	300.8	308.4	334.7	349.7
80°	214.4	214.4	218.1	233.2	244.4
82.5°	135.4	135.4	135.4	142.9	146.7
85°	63.9	71.5	71.5	63.9	60.2
87.5°	30.1	30.1	26.3	26.3	26.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)