

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: P384035

Luminaire Tested: **24ID-70-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384035
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-70-L835-CFR2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

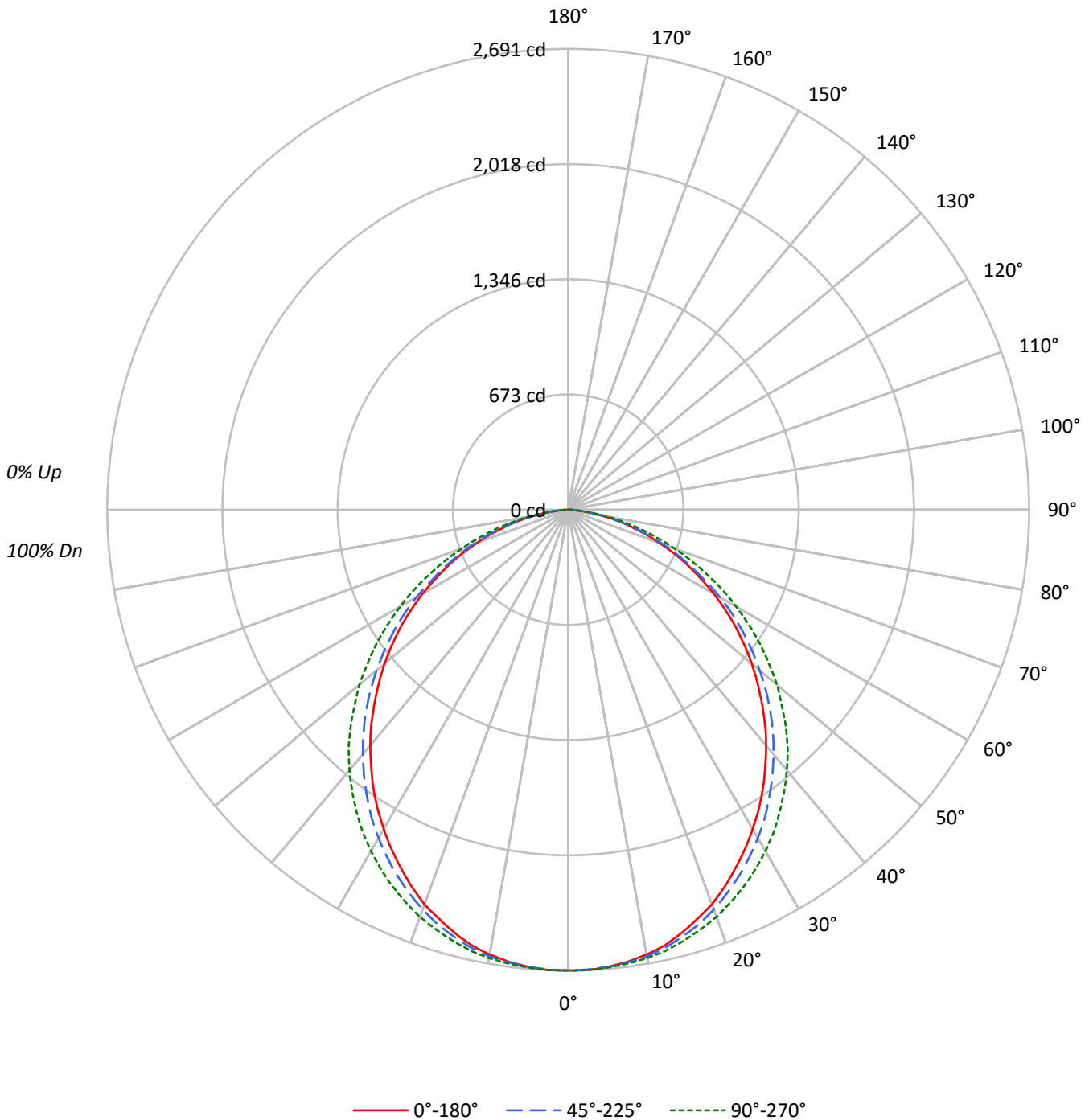
Lumens per Lamp: N/A
Luminaire Lumens: 7103.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 65.6
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°	3620	3620	3620
5°	3620	3620	3625
10°	3603	3618	3632
15°	3565	3594	3629
20°	3511	3557	3623
25°	3429	3503	3604
30°	3345	3439	3578
35°	3256	3361	3537
40°	3157	3276	3488
45°	3041	3176	3420
50°	2928	3054	3330
55°	2797	2922	3206
60°	2643	2758	3046
65°	2459	2538	2844
70°	2226	2310	2604
75°	1943	2017	2276
80°	1572	1599	1792
85°	934	1044	878



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.7	3.6
10°-20°	728.0	10.2
20°-30°	1089.1	15.3
30°-40°	1286.7	18.1
40°-50°	1298.3	18.3
50°-60°	1127.5	15.9
60°-70°	808.5	11.4
70°-80°	421.2	5.9
80°-90°	88.9	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°	2071.8	29.2
0°-40°	3358.5	47.3
0°-60°	5784.4	81.4
0°-90°	7103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7103.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2691	2691	2691	2691	2691	
5°	2680	2676	2680	2680	2684	254
15°	2559	2563	2580	2598	2605	721
25°	2310	2324	2360	2406	2427	1064
35°	1982	1997	2046	2121	2153	1239
45°	1598	1616	1669	1755	1797	1234
55°	1192	1203	1246	1328	1367	1065
65°	772	769	797	858	893	764
75°	374	370	388	416	438	399
85°	60	68	68	60	57	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2690.7	2690.7	2690.7	2690.7	2690.7
2.5°	2690.7	2687.2	2687.2	2687.2	2690.7
5°	2680.0	2676.5	2680.0	2680.0	2683.6
7.5°	2662.2	2658.7	2665.8	2669.4	2672.9
10°	2637.3	2637.3	2648.0	2655.1	2658.7
12.5°	2605.3	2605.3	2619.5	2630.2	2637.3
15°	2559.0	2562.6	2580.4	2598.2	2605.3
17.5°	2505.6	2516.3	2537.7	2562.6	2569.7
20°	2452.2	2459.4	2484.3	2516.3	2530.5
22.5°	2384.6	2395.3	2423.8	2466.5	2480.7
25°	2309.9	2324.1	2359.7	2406.0	2427.3
27.5°	2235.1	2245.8	2288.5	2341.9	2366.8
30°	2153.3	2167.5	2213.8	2274.3	2302.8
32.5°	2071.4	2082.1	2135.5	2199.5	2231.6
35°	1982.4	1996.7	2046.5	2121.2	2153.3
37.5°	1889.9	1907.7	1957.5	2035.8	2071.4
40°	1797.4	1808.0	1865.0	1943.3	1986.0
42.5°	1701.3	1715.5	1768.9	1854.3	1897.0
45°	1598.1	1615.8	1669.2	1754.7	1797.4
47.5°	1498.4	1516.2	1566.0	1651.4	1690.6
50°	1398.7	1409.4	1459.2	1544.7	1590.9
52.5°	1295.5	1306.2	1352.5	1434.3	1477.0
55°	1192.3	1203.0	1245.7	1327.6	1366.7
57.5°	1085.5	1092.7	1135.4	1210.1	1249.3
60°	982.3	985.9	1025.0	1092.7	1131.8
62.5°	872.0	875.5	904.0	982.3	1017.9
65°	772.3	768.8	797.2	857.8	893.3
67.5°	669.1	669.1	694.0	747.4	775.9
70°	565.9	565.9	587.3	633.5	662.0
72.5°	469.8	469.8	487.6	523.2	544.5
75°	373.7	370.2	387.9	416.4	437.8
77.5°	284.7	284.7	291.8	316.8	331.0
80°	202.9	202.9	206.4	220.7	231.3
82.5°	128.1	128.1	128.1	135.2	138.8
85°	60.5	67.6	67.6	60.5	56.9
87.5°	28.5	28.5	24.9	24.9	24.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)