

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: P383929

Luminaire Tested: **14ID-70-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383929
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: 14ID-70-L850-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

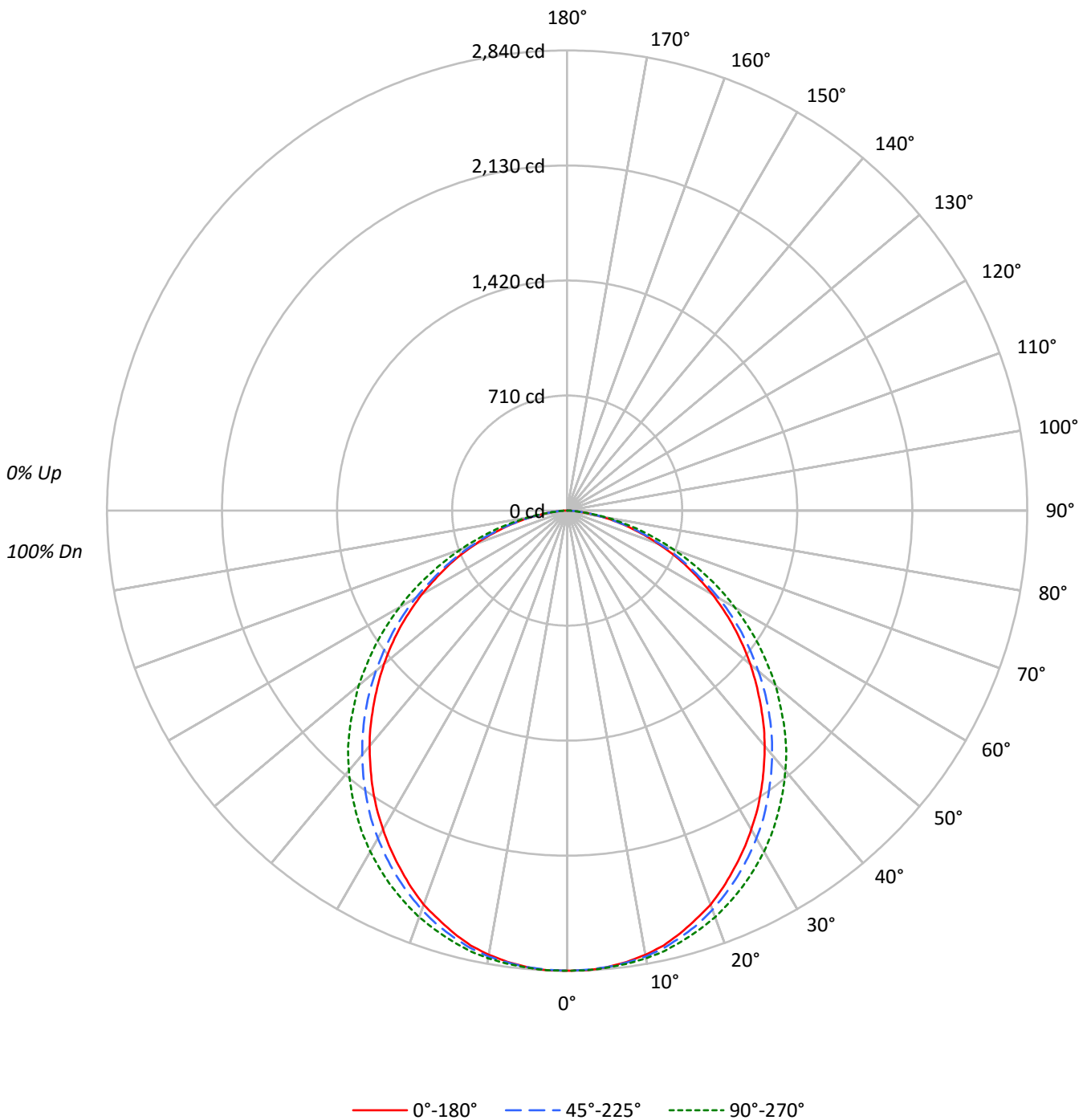
Lumens per Lamp: N/A
Luminaire Lumens: 7496.0 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	7641	7641	7641
5°	7640	7640	7650
10°	7605	7636	7667
15°	7524	7586	7660
20°	7411	7508	7648
25°	7238	7394	7606
30°	7061	7260	7551
35°	6873	7095	7465
40°	6663	6914	7363
45°	6418	6704	7218
50°	6180	6447	7029
55°	5903	6168	6767
60°	5579	5822	6428
65°	5190	5358	6003
70°	4699	4877	5497
75°	4101	4257	4803
80°	3318	3377	3783
85°	1973	2205	1856



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.8	3.6
10°-20°	768.3	10.2
20°-30°	1149.3	15.3
30°-40°	1357.9	18.1
40°-50°	1370.2	18.3
50°-60°	1189.9	15.9
60°-70°	853.2	11.4
70°-80°	444.5	5.9
80°-90°	93.8	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°	2186.5	29.2
0°-40°	3544.3	47.3
0°-60°	6104.4	81.4
0°-90°	7496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2840	2840	2840	2840	2840	
5°	2828	2825	2828	2828	2832	269
15°	2701	2704	2723	2742	2749	761
25°	2438	2453	2490	2539	2562	1123
35°	2092	2107	2160	2239	2272	1308
45°	1686	1705	1762	1852	1897	1302
55°	1258	1270	1315	1401	1442	1124
65°	815	811	841	905	943	806
75°	394	391	409	440	462	421
85°	64	71	71	64	60	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2839.6	2839.6	2839.6	2839.6	2839.6
2.5°	2839.6	2835.8	2835.8	2835.8	2839.6
5°	2828.3	2824.6	2828.3	2828.3	2832.1
7.5°	2809.5	2805.8	2813.3	2817.0	2820.8
10°	2783.2	2783.2	2794.5	2802.0	2805.8
12.5°	2749.4	2749.4	2764.5	2775.7	2783.2
15°	2700.6	2704.4	2723.1	2741.9	2749.4
17.5°	2644.3	2655.5	2678.1	2704.4	2711.9
20°	2587.9	2595.4	2621.7	2655.5	2670.6
22.5°	2516.6	2527.8	2557.9	2603.0	2618.0
25°	2437.7	2452.7	2490.3	2539.1	2561.6
27.5°	2358.8	2370.1	2415.1	2471.5	2497.8
30°	2272.4	2287.4	2336.3	2400.1	2430.2
32.5°	2186.0	2197.3	2253.6	2321.2	2355.1
35°	2092.1	2107.2	2159.7	2238.6	2272.4
37.5°	1994.5	2013.2	2065.8	2148.5	2186.0
40°	1896.8	1908.1	1968.2	2050.8	2095.9
42.5°	1795.4	1810.4	1866.8	1956.9	2002.0
45°	1686.5	1705.3	1761.6	1851.7	1896.8
47.5°	1581.3	1600.1	1652.7	1742.8	1784.1
50°	1476.1	1487.4	1540.0	1630.1	1679.0
52.5°	1367.2	1378.5	1427.3	1513.7	1558.8
55°	1258.3	1269.5	1314.6	1401.0	1442.3
57.5°	1145.6	1153.1	1198.2	1277.1	1318.4
60°	1036.7	1040.4	1081.7	1153.1	1194.4
62.5°	920.2	924.0	954.0	1036.7	1074.2
65°	815.1	811.3	841.4	905.2	942.8
67.5°	706.1	706.1	732.4	788.8	818.8
70°	597.2	597.2	619.8	668.6	698.6
72.5°	495.8	495.8	514.6	552.1	574.7
75°	394.4	390.6	409.4	439.5	462.0
77.5°	300.5	300.5	308.0	334.3	349.3
80°	214.1	214.1	217.9	232.9	244.1
82.5°	135.2	135.2	135.2	142.7	146.5
85°	63.9	71.4	71.4	63.9	60.1
87.5°	30.0	30.0	26.3	26.3	26.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)