

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: P383927

Luminaire Tested: **14ID-70-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383927
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-L835-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

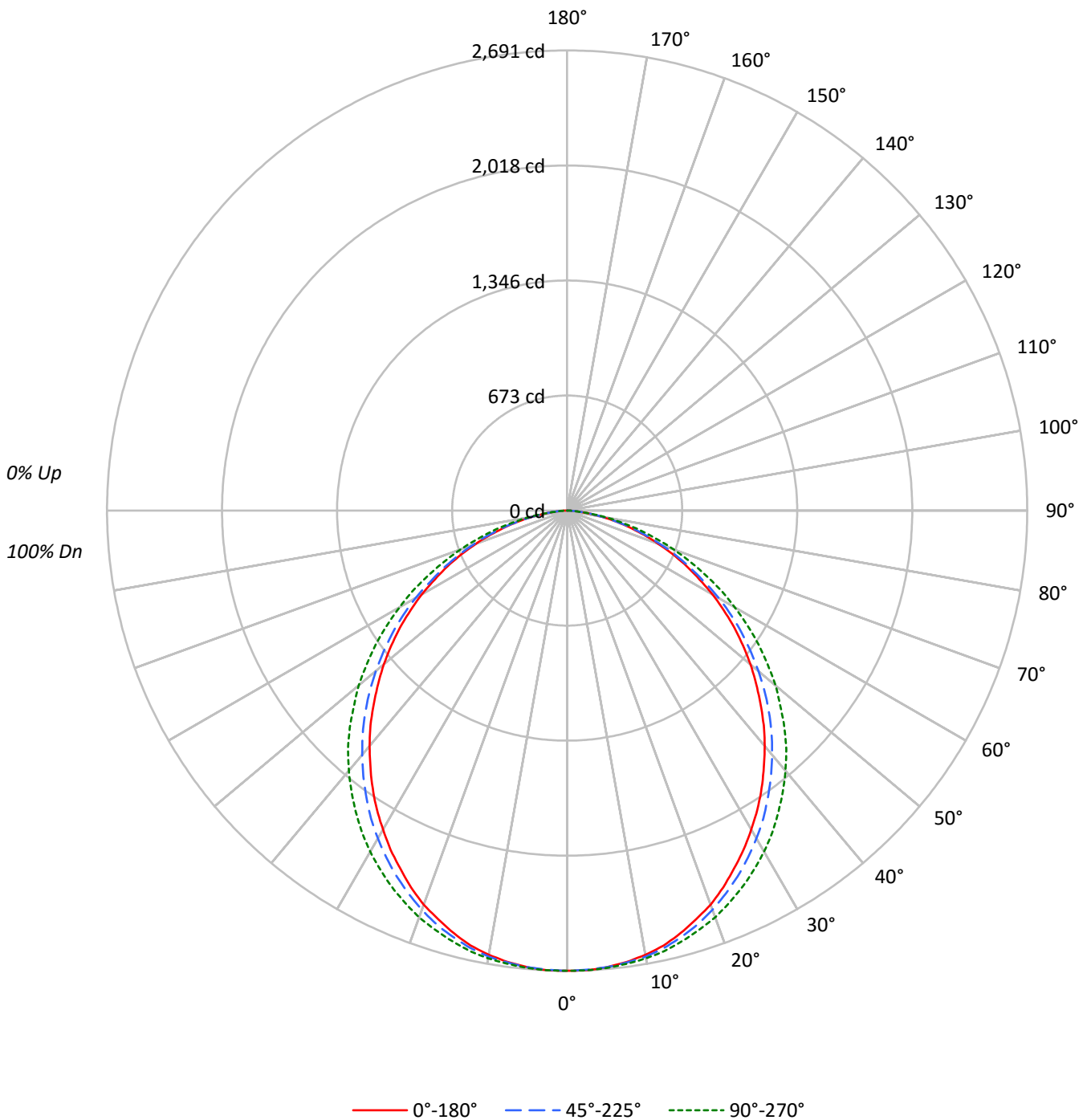
Lumens per Lamp: N/A
Luminaire Lumens: 7104.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	7242	7242	7242
5°	7240	7240	7250
10°	7207	7237	7266
15°	7130	7190	7259
20°	7023	7115	7248
25°	6859	7007	7208
30°	6692	6880	7156
35°	6513	6724	7075
40°	6315	6552	6978
45°	6083	6353	6841
50°	5856	6110	6661
55°	5595	5845	6413
60°	5288	5518	6092
65°	4918	5077	5689
70°	4453	4621	5209
75°	3886	4034	4552
80°	3144	3200	3586
85°	1868	2087	1760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.8	3.6
10°-20°	728.1	10.2
20°-30°	1089.2	15.3
30°-40°	1286.9	18.1
40°-50°	1298.5	18.3
50°-60°	1127.7	15.9
60°-70°	808.6	11.4
70°-80°	421.3	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°	2072.1	29.2
0°-40°	3359.0	47.3
0°-60°	5785.2	81.4
0°-90°	7104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2691	2691	2691	2691	2691	
5°	2680	2677	2680	2680	2684	254
15°	2559	2563	2581	2598	2606	721
25°	2310	2324	2360	2406	2428	1064
35°	1983	1997	2047	2122	2154	1239
45°	1598	1616	1670	1755	1798	1234
55°	1192	1203	1246	1328	1367	1065
65°	772	769	797	858	894	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°	2691.1	2691.1	2691.1	2691.1	2691.1
2.5°	2691.1	2687.5	2687.5	2687.5	2691.1
5°	2680.4	2676.9	2680.4	2680.4	2684.0
7.5°	2662.6	2659.1	2666.2	2669.7	2673.3
10°	2637.7	2637.7	2648.4	2655.5	2659.1
12.5°	2605.7	2605.7	2619.9	2630.6	2637.7
15°	2559.4	2562.9	2580.7	2598.5	2605.7
17.5°	2506.0	2516.7	2538.0	2562.9	2570.1
20°	2452.6	2459.7	2484.6	2516.7	2530.9
22.5°	2385.0	2395.6	2424.1	2466.8	2481.1
25°	2310.2	2324.4	2360.0	2406.3	2427.7
27.5°	2235.5	2246.1	2288.8	2342.2	2367.2
30°	2153.6	2167.8	2214.1	2274.6	2303.1
32.5°	2071.7	2082.4	2135.8	2199.9	2231.9
35°	1982.7	1997.0	2046.8	2121.5	2153.6
37.5°	1890.2	1908.0	1957.8	2036.1	2071.7
40°	1797.6	1808.3	1865.3	1943.6	1986.3
42.5°	1701.5	1715.7	1769.1	1854.6	1897.3
45°	1598.3	1616.1	1669.5	1754.9	1797.6
47.5°	1498.6	1516.4	1566.2	1651.7	1690.8
50°	1398.9	1409.6	1459.5	1544.9	1591.2
52.5°	1295.7	1306.4	1352.7	1434.5	1477.3
55°	1192.5	1203.2	1245.9	1327.7	1366.9
57.5°	1085.7	1092.8	1135.5	1210.3	1249.4
60°	982.5	986.0	1025.2	1092.8	1132.0
62.5°	872.1	875.7	904.1	982.5	1018.1
65°	772.4	768.9	797.4	857.9	893.5
67.5°	669.2	669.2	694.1	747.5	776.0
70°	566.0	566.0	587.3	633.6	662.1
72.5°	469.9	469.9	487.7	523.3	544.6
75°	373.8	370.2	388.0	416.5	437.8
77.5°	284.8	284.8	291.9	316.8	331.0
80°	202.9	202.9	206.5	220.7	231.4
82.5°	128.1	128.1	128.1	135.3	138.8
85°	60.5	67.6	67.6	60.5	57.0
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)