

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: P383822

Luminaire Tested: **22ID-80-L830-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-80-L830-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

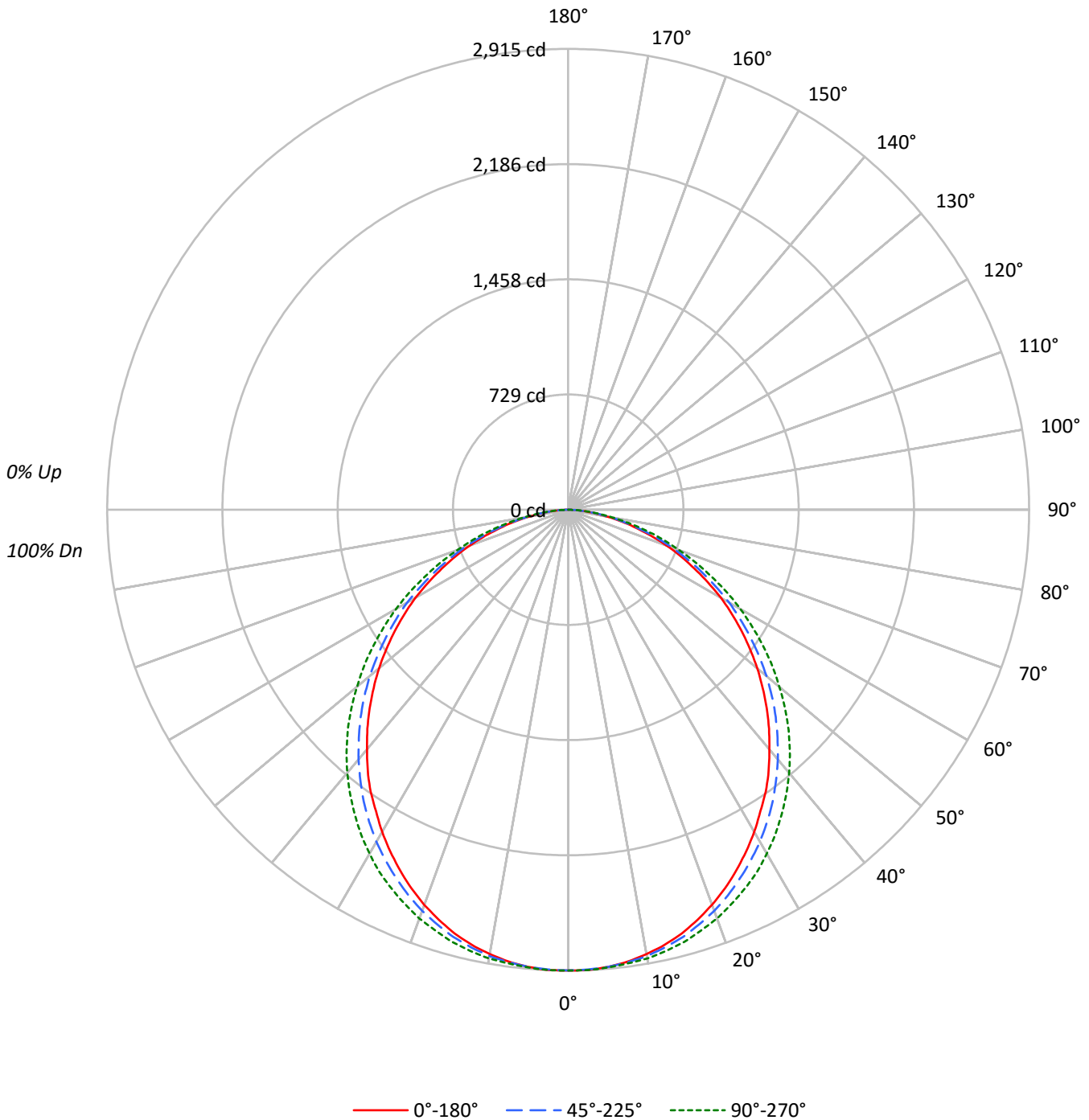
Lumens per Lamp: N/A
Luminaire Lumens: 7916.1 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 70.8
Input Voltage (V): NR
Input Current (A_{in}): 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	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7844	7844	7844
5°	7841	7841	7852
10°	7801	7834	7877
15°	7732	7799	7887
20°	7617	7731	7879
25°	7472	7638	7850
30°	7312	7535	7807
35°	7155	7404	7731
40°	6952	7246	7637
45°	6758	7062	7501
50°	6535	6851	7302
55°	6277	6594	7062
60°	6000	6322	6772
65°	5603	5933	6339
70°	5201	5482	5858
75°	4637	4886	5299
80°	3888	4073	4443
85°	2952	2952	3319



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.9	3.5
10°-20°	789.4	10.0
20°-30°	1186.9	15.0
30°-40°	1411.9	17.8
40°-50°	1436.7	18.1
50°-60°	1264.4	16.0
60°-70°	927.5	11.7
70°-80°	503.4	6.4
80°-90°	120.1	1.5
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°	2252.1	28.4
0°-40°	3664.0	46.3
0°-60°	6365.1	80.4
0°-90°	7916.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7916.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2915	2915	2915	2915	2915	
5°	2903	2899	2903	2903	2907	276
15°	2775	2779	2799	2815	2831	782
25°	2517	2532	2572	2616	2644	1159
35°	2178	2194	2254	2322	2353	1360
45°	1776	1792	1856	1935	1971	1369
55°	1338	1358	1406	1473	1505	1196
65°	880	896	932	972	996	875
75°	446	454	470	494	510	474
85°	96	96	96	104	108	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2914.8	2914.8	2914.8	2914.8	2914.8
2.5°	2914.8	2910.8	2910.8	2910.8	2914.8
5°	2902.8	2898.8	2902.8	2902.8	2906.8
7.5°	2882.9	2878.9	2886.9	2890.9	2894.9
10°	2855.0	2855.0	2867.0	2875.0	2882.9
12.5°	2819.2	2823.2	2835.1	2847.1	2859.0
15°	2775.4	2779.4	2799.3	2815.2	2831.2
17.5°	2719.7	2727.6	2751.5	2775.4	2791.3
20°	2659.9	2671.9	2699.7	2731.6	2751.5
22.5°	2592.2	2608.2	2640.0	2679.8	2699.7
25°	2516.6	2532.5	2572.3	2616.1	2644.0
27.5°	2436.9	2456.9	2500.7	2552.4	2584.3
30°	2353.3	2373.2	2425.0	2480.7	2512.6
32.5°	2261.7	2285.6	2341.4	2405.1	2436.9
35°	2178.1	2194.0	2253.8	2321.5	2353.3
37.5°	2082.5	2102.5	2158.2	2229.9	2265.7
40°	1979.0	1998.9	2062.6	2134.3	2174.1
42.5°	1879.5	1895.4	1959.1	2038.7	2074.6
45°	1775.9	1791.9	1855.6	1935.2	1971.1
47.5°	1668.4	1688.3	1748.1	1823.7	1859.6
50°	1560.9	1576.8	1636.6	1708.2	1744.1
52.5°	1449.4	1465.4	1521.1	1592.8	1628.6
55°	1337.9	1357.8	1405.6	1473.3	1505.2
57.5°	1226.4	1246.3	1290.1	1353.9	1381.7
60°	1114.9	1130.9	1174.7	1230.4	1258.3
62.5°	995.5	1007.4	1051.2	1107.0	1130.9
65°	880.0	895.9	931.8	971.6	995.5
67.5°	772.5	780.5	812.3	856.1	872.0
70°	661.0	669.0	696.8	732.7	744.6
72.5°	549.5	561.5	581.4	613.2	629.1
75°	446.0	453.9	469.9	493.8	509.7
77.5°	346.4	350.4	362.4	382.3	394.2
80°	250.9	254.8	262.8	278.7	286.7
82.5°	167.2	171.2	175.2	183.2	191.1
85°	95.6	95.6	95.6	103.5	107.5
87.5°	35.8	31.9	31.9	31.9	31.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)