

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: P383990

Luminaire Tested: **22ID-80-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383990
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: 22ID-80-L830-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

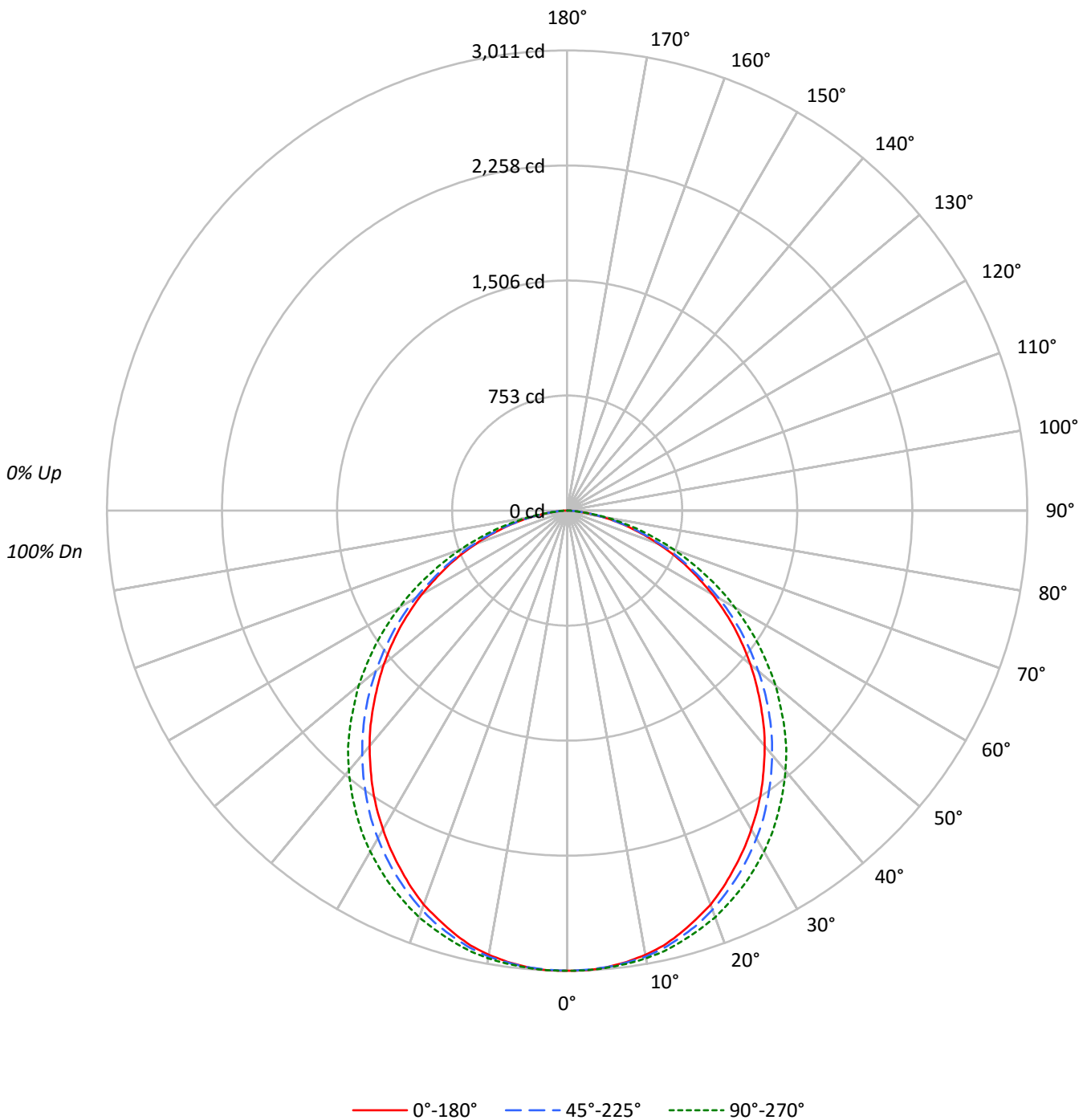
Lumens per Lamp: N/A
Luminaire Lumens: 7948.0 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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°	8102	8102	8102
5°	8101	8101	8111
10°	8064	8096	8129
15°	7977	8044	8121
20°	7858	7960	8109
25°	7674	7840	8065
30°	7487	7697	8007
35°	7287	7523	7915
40°	7065	7331	7807
45°	6805	7108	7654
50°	6552	6836	7453
55°	6260	6540	7175
60°	5916	6173	6816
65°	5503	5680	6365
70°	4982	5170	5829
75°	4348	4513	5094
80°	3518	3580	4012
85°	2090	2337	1967



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.0	3.6
10°-20°	814.7	10.2
20°-30°	1218.6	15.3
30°-40°	1439.7	18.1
40°-50°	1452.8	18.3
50°-60°	1261.7	15.9
60°-70°	904.7	11.4
70°-80°	471.3	5.9
80°-90°	99.5	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°	2318.3	29.2
0°-40°	3758.0	47.3
0°-60°	6472.5	81.4
0°-90°	7948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3011	3011	3011	3011	3011	
5°	2999	2995	2999	2999	3003	285
15°	2864	2867	2887	2907	2915	807
25°	2585	2601	2640	2692	2716	1191
35°	2218	2234	2290	2374	2409	1387
45°	1788	1808	1868	1963	2011	1381
55°	1334	1346	1394	1486	1529	1192
65°	864	860	892	960	1000	854
75°	418	414	434	466	490	446
85°	68	76	76	68	64	97
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3010.8	3010.8	3010.8	3010.8	3010.8
2.5°	3010.8	3006.8	3006.8	3006.8	3010.8
5°	2998.9	2994.9	2998.9	2998.9	3002.8
7.5°	2978.9	2975.0	2982.9	2986.9	2990.9
10°	2951.1	2951.1	2963.0	2971.0	2975.0
12.5°	2915.2	2915.2	2931.2	2943.1	2951.1
15°	2863.5	2867.4	2887.3	2907.3	2915.2
17.5°	2803.7	2815.7	2839.6	2867.4	2875.4
20°	2744.0	2751.9	2779.8	2815.7	2831.6
22.5°	2668.3	2680.3	2712.1	2759.9	2775.8
25°	2584.7	2600.6	2640.4	2692.2	2716.1
27.5°	2501.0	2513.0	2560.8	2620.5	2648.4
30°	2409.4	2425.4	2477.1	2544.8	2576.7
32.5°	2317.8	2329.8	2389.5	2461.2	2497.1
35°	2218.3	2234.2	2290.0	2373.6	2409.4
37.5°	2114.7	2134.6	2190.4	2278.0	2317.8
40°	2011.2	2023.1	2086.9	2174.5	2222.3
42.5°	1903.7	1919.6	1979.3	2074.9	2122.7
45°	1788.2	1808.1	1867.8	1963.4	2011.2
47.5°	1676.7	1696.6	1752.3	1847.9	1891.7
50°	1565.1	1577.1	1632.8	1728.4	1780.2
52.5°	1449.6	1461.6	1513.4	1605.0	1652.8
55°	1334.2	1346.1	1393.9	1485.5	1529.3
57.5°	1214.7	1222.6	1270.4	1354.1	1397.9
60°	1099.2	1103.2	1147.0	1222.6	1266.5
62.5°	975.7	979.7	1011.6	1099.2	1139.0
65°	864.2	860.2	892.1	959.8	999.6
67.5°	748.7	748.7	776.6	836.3	868.2
70°	633.2	633.2	657.1	708.9	740.8
72.5°	525.7	525.7	545.6	585.4	609.3
75°	418.2	414.2	434.1	466.0	489.9
77.5°	318.6	318.6	326.6	354.4	370.4
80°	227.0	227.0	231.0	246.9	258.9
82.5°	143.4	143.4	143.4	151.3	155.3
85°	67.7	75.7	75.7	67.7	63.7
87.5°	31.9	31.9	27.9	27.9	27.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)