

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: P385166

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

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-80-L830-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

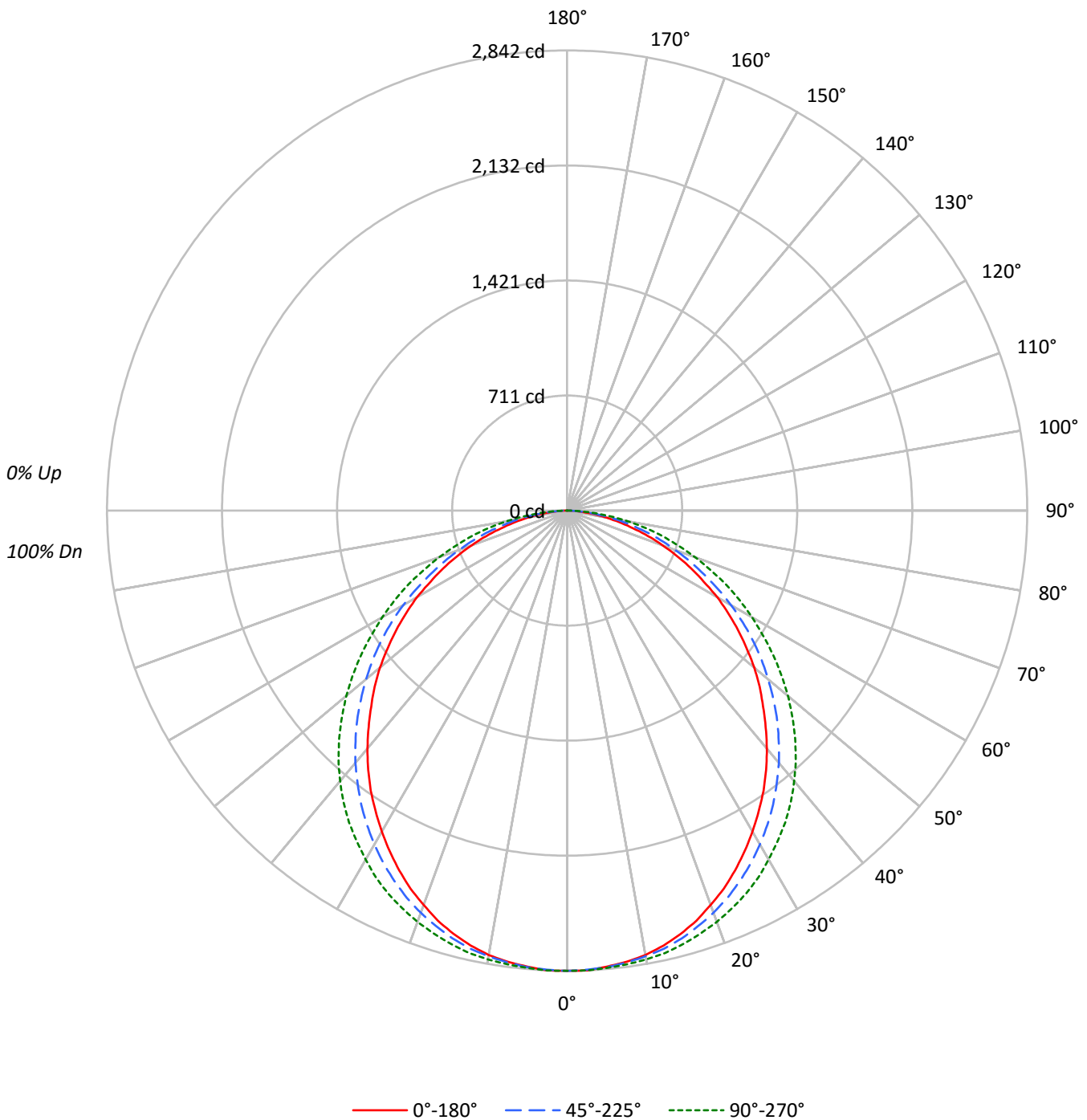
Lumens per Lamp: N/A
Luminaire Lumens: 7892.3 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 70.8
Input Voltage (V): NR
Input Current (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	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7649	7649	7649
5°	7635	7646	7657
10°	7615	7637	7691
15°	7542	7619	7719
20°	7422	7570	7741
25°	7282	7494	7754
30°	7113	7397	7732
35°	6945	7285	7716
40°	6741	7146	7664
45°	6515	6984	7575
50°	6317	6783	7450
55°	6052	6575	7284
60°	5764	6300	7092
65°	5374	5932	6895
70°	4949	5575	6609
75°	4388	5174	6333
80°	3702	4627	5861
85°	2705	3566	4671



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.1	3.4
10°-20°	771.9	9.8
20°-30°	1164.2	14.8
30°-40°	1389.9	17.6
40°-50°	1420.5	18.0
50°-60°	1259.6	16.0
60°-70°	939.0	11.9
70°-80°	536.4	6.8
80°-90°	141.5	1.8
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°	2205.2	27.9
0°-40°	3595.2	45.6
0°-60°	6275.3	79.5
0°-90°	7892.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7892.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2842	2842	2842	2842	2842	
5°	2827	2827	2831	2831	2835	269
15°	2707	2715	2735	2759	2771	763
25°	2452	2472	2524	2580	2612	1129
35°	2114	2142	2218	2305	2349	1321
45°	1712	1748	1835	1935	1991	1323
55°	1290	1314	1401	1501	1553	1153
65°	844	864	932	1027	1083	836
75°	422	442	498	573	609	450
85°	88	92	116	143	151	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2842.5	2842.5	2842.5	2842.5	2842.5
2.5°	2842.5	2838.5	2838.5	2838.5	2842.5
5°	2826.6	2826.6	2830.6	2830.6	2834.6
7.5°	2810.7	2810.7	2814.7	2818.6	2826.6
10°	2786.8	2786.8	2794.8	2806.7	2814.7
12.5°	2751.0	2754.9	2770.9	2786.8	2798.7
15°	2707.2	2715.1	2735.0	2758.9	2770.9
17.5°	2655.4	2663.4	2691.2	2723.1	2739.0
20°	2591.7	2607.6	2643.5	2683.3	2703.2
22.5°	2528.0	2543.9	2587.7	2635.5	2659.4
25°	2452.4	2472.3	2524.0	2579.8	2611.6
27.5°	2372.8	2396.6	2456.4	2520.1	2555.9
30°	2289.2	2317.0	2380.7	2452.4	2488.2
32.5°	2201.6	2229.4	2301.1	2380.7	2420.5
35°	2114.0	2141.9	2217.5	2305.1	2348.9
37.5°	2018.4	2046.3	2125.9	2221.5	2269.2
40°	1918.9	1950.8	2034.4	2129.9	2181.7
42.5°	1815.4	1851.2	1934.8	2038.3	2090.1
45°	1711.9	1747.7	1835.3	1934.8	1990.6
47.5°	1612.4	1640.2	1727.8	1831.3	1887.1
50°	1508.9	1532.7	1620.3	1723.8	1779.6
52.5°	1397.4	1429.2	1512.8	1616.3	1668.1
55°	1289.9	1313.8	1401.4	1500.9	1552.6
57.5°	1178.4	1202.3	1285.9	1385.4	1433.2
60°	1070.9	1094.8	1170.5	1270.0	1317.8
62.5°	951.5	975.4	1051.0	1154.5	1202.3
65°	844.0	863.9	931.6	1027.1	1082.9
67.5°	736.5	756.4	820.1	911.7	955.5
70°	629.0	644.9	708.6	792.2	840.0
72.5°	525.5	541.4	605.1	680.8	720.6
75°	422.0	441.9	497.6	573.3	609.1
77.5°	326.5	346.4	394.1	461.8	493.7
80°	238.9	254.8	298.6	350.3	378.2
82.5°	159.2	171.2	203.0	246.8	266.7
85°	87.6	91.6	115.5	143.3	151.3
87.5°	35.8	35.8	43.8	47.8	51.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)