

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: P385170

Luminaire Tested: **22ID-85-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385170
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-85-L830-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

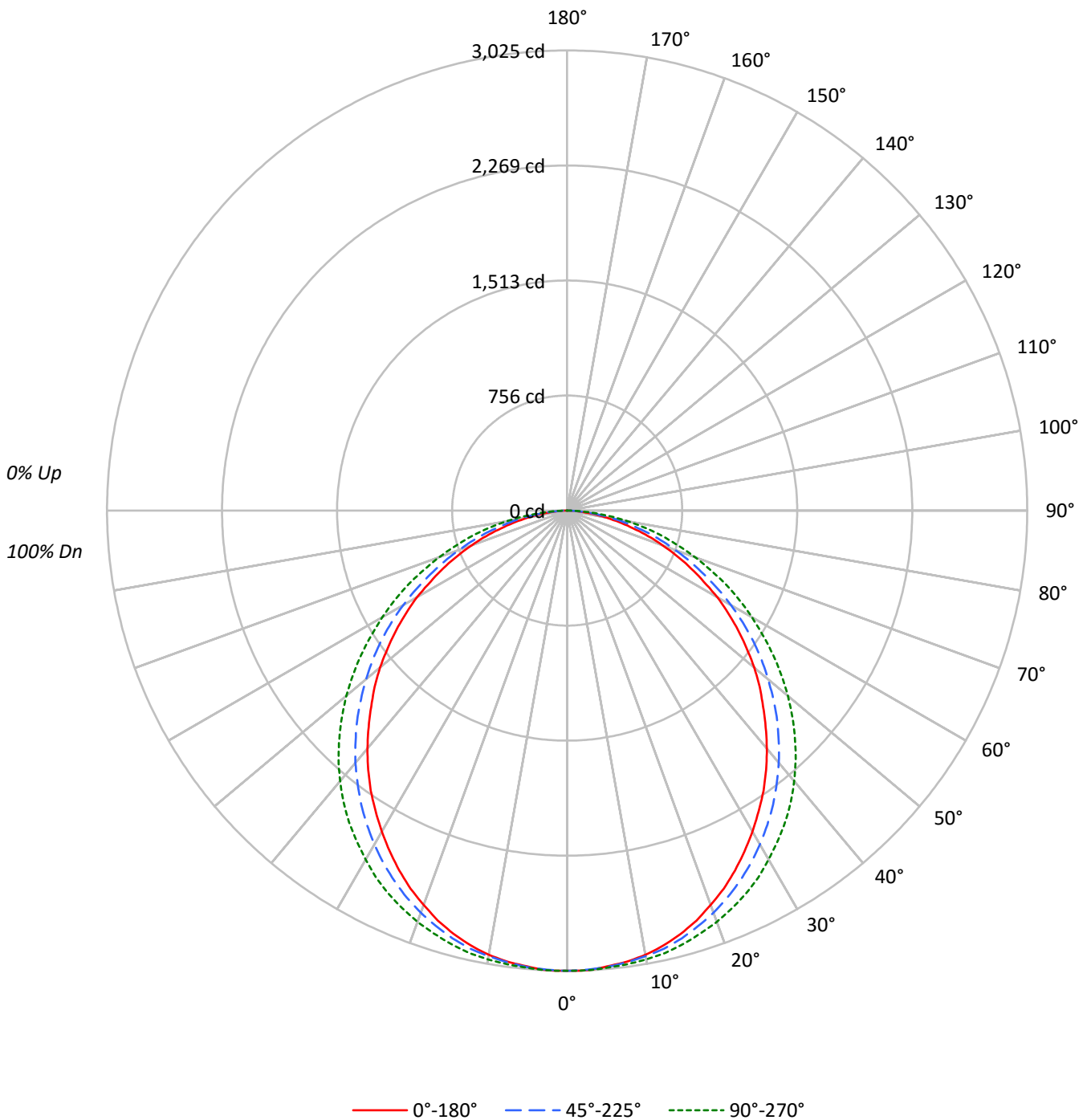
Lumens per Lamp: N/A
Luminaire Lumens: 8399.7 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 76.8
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	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°	8141	8141	8141
5°	8126	8138	8149
10°	8105	8128	8185
15°	8027	8109	8216
20°	7899	8057	8239
25°	7750	7976	8253
30°	7570	7873	8229
35°	7391	7753	8212
40°	7174	7606	8156
45°	6933	7434	8062
50°	6723	7219	7929
55°	6441	6997	7753
60°	6134	6704	7548
65°	5720	6313	7338
70°	5268	5934	7034
75°	4669	5506	6740
80°	3939	4925	6237
85°	2878	3795	4971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.4	3.4
10°-20°	821.6	9.8
20°-30°	1239.1	14.8
30°-40°	1479.3	17.6
40°-50°	1511.9	18.0
50°-60°	1340.6	16.0
60°-70°	999.4	11.9
70°-80°	570.9	6.8
80°-90°	150.6	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°	2347.0	27.9
0°-40°	3826.3	45.6
0°-60°	6678.8	79.5
0°-90°	8399.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8399.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3025	3025	3025	3025	3025	
5°	3008	3008	3013	3013	3017	286
15°	2881	2890	2911	2936	2949	812
25°	2610	2631	2686	2746	2780	1202
35°	2250	2280	2360	2453	2500	1406
45°	1822	1860	1953	2059	2118	1408
55°	1373	1398	1492	1597	1652	1227
65°	898	919	992	1093	1152	890
75°	449	470	530	610	648	479
85°	93	98	123	152	161	116
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3025.3	3025.3	3025.3	3025.3	3025.3
2.5°	3025.3	3021.0	3021.0	3021.0	3025.3
5°	3008.3	3008.3	3012.6	3012.6	3016.8
7.5°	2991.4	2991.4	2995.6	2999.9	3008.3
10°	2966.0	2966.0	2974.4	2987.1	2995.6
12.5°	2927.8	2932.1	2949.0	2966.0	2978.7
15°	2881.2	2889.7	2910.9	2936.3	2949.0
17.5°	2826.1	2834.6	2864.3	2898.2	2915.1
20°	2758.3	2775.3	2813.4	2855.8	2877.0
22.5°	2690.5	2707.5	2754.1	2805.0	2830.4
25°	2610.0	2631.2	2686.3	2745.6	2779.5
27.5°	2525.3	2550.7	2614.3	2682.1	2720.2
30°	2436.3	2466.0	2533.8	2610.0	2648.2
32.5°	2343.1	2372.8	2449.0	2533.8	2576.1
35°	2249.9	2279.6	2360.1	2453.3	2499.9
37.5°	2148.2	2177.9	2262.6	2364.3	2415.1
40°	2042.3	2076.2	2165.2	2266.8	2321.9
42.5°	1932.1	1970.2	2059.2	2169.4	2224.5
45°	1821.9	1860.1	1953.3	2059.2	2118.5
47.5°	1716.0	1745.7	1838.9	1949.1	2008.4
50°	1605.9	1631.3	1724.5	1834.7	1894.0
52.5°	1487.2	1521.1	1610.1	1720.3	1775.3
55°	1372.8	1398.2	1491.5	1597.4	1652.5
57.5°	1254.2	1279.6	1368.6	1474.5	1525.4
60°	1139.8	1165.2	1245.7	1351.6	1402.5
62.5°	1012.7	1038.1	1118.6	1228.8	1279.6
65°	898.3	919.4	991.5	1093.2	1152.5
67.5°	783.9	805.0	872.8	970.3	1016.9
70°	669.5	686.4	754.2	843.2	894.0
72.5°	559.3	576.2	644.0	724.5	766.9
75°	449.1	470.3	529.6	610.1	648.3
77.5°	347.4	368.6	419.5	491.5	525.4
80°	254.2	271.2	317.8	372.9	402.5
82.5°	169.5	182.2	216.1	262.7	283.9
85°	93.2	97.5	122.9	152.5	161.0
87.5°	38.1	38.1	46.6	50.8	55.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)