

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: P385176

Luminaire Tested: **22ID-90-L840-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385176
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-90-L840-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

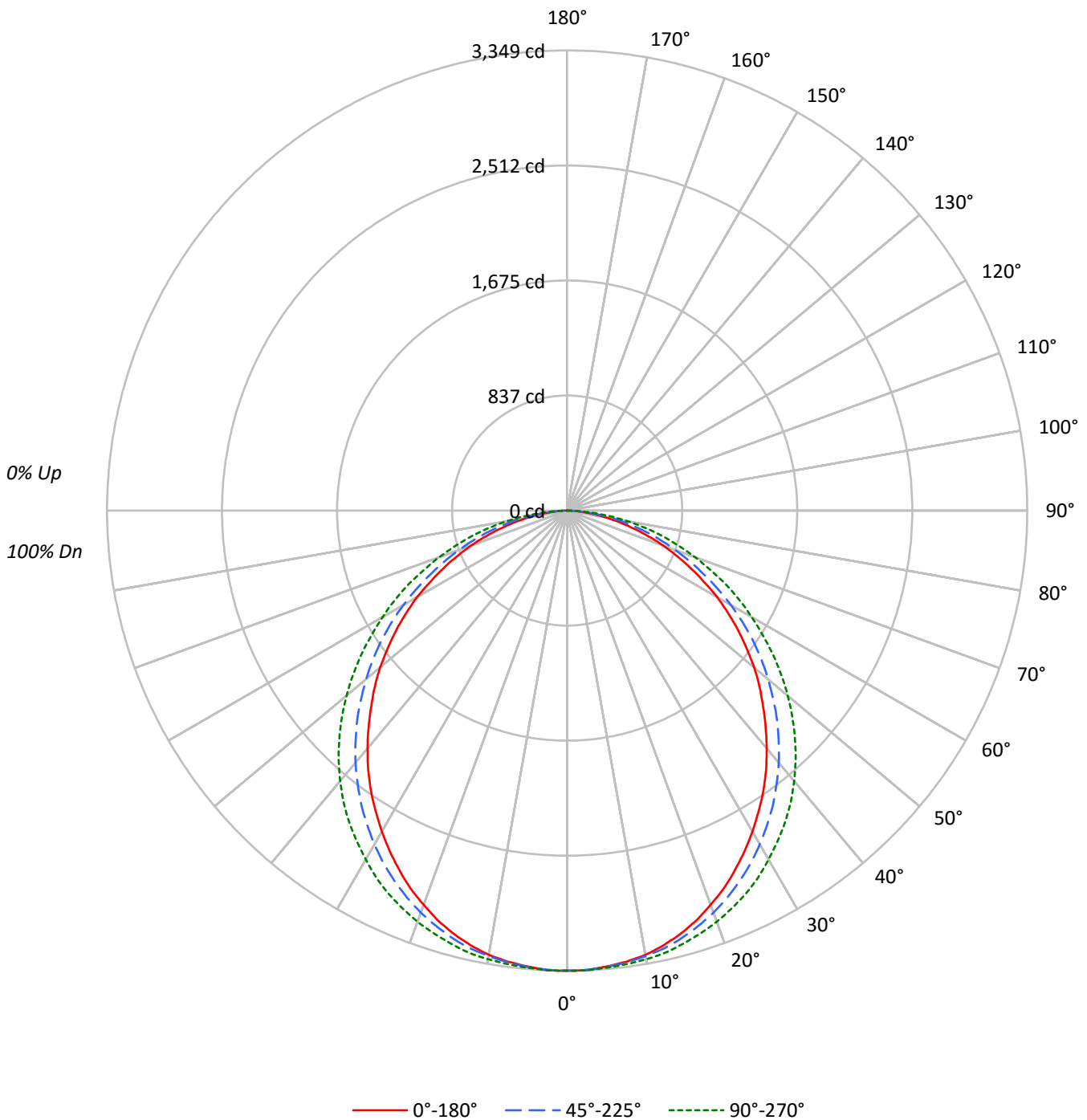
Lumens per Lamp: N/A
Luminaire Lumens: 9297.3 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 85.5
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°	9011	9011	9011
5°	8995	9007	9020
10°	8970	8996	9060
15°	8885	8976	9093
20°	8743	8918	9119
25°	8578	8829	9135
30°	8379	8714	9108
35°	8181	8582	9090
40°	7941	8418	9028
45°	7674	8228	8924
50°	7441	7991	8776
55°	7129	7745	8581
60°	6790	7421	8354
65°	6331	6988	8122
70°	5830	6568	7786
75°	5168	6095	7460
80°	4361	5450	6904
85°	3186	4199	5502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.0	3.4
10°-20°	909.4	9.8
20°-30°	1371.5	14.8
30°-40°	1637.4	17.6
40°-50°	1673.4	18.0
50°-60°	1483.9	16.0
60°-70°	1106.2	11.9
70°-80°	631.9	6.8
80°-90°	166.7	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°	2597.8	27.9
0°-40°	4235.2	45.6
0°-60°	7392.5	79.5
0°-90°	9297.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9297.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3349	3349	3349	3349	3349	
5°	3330	3330	3334	3334	3339	316
15°	3189	3198	3222	3250	3264	899
25°	2889	2912	2973	3039	3077	1330
35°	2490	2523	2612	2715	2767	1556
45°	2017	2059	2162	2279	2345	1558
55°	1520	1548	1651	1768	1829	1358
65°	994	1018	1097	1210	1276	985
75°	497	521	586	675	718	530
85°	103	108	136	169	178	129
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3348.6	3348.6	3348.6	3348.6	3348.6
2.5°	3348.6	3343.9	3343.9	3343.9	3348.6
5°	3329.8	3329.8	3334.5	3334.5	3339.2
7.5°	3311.0	3311.0	3315.7	3320.4	3329.8
10°	3282.9	3282.9	3292.3	3306.4	3315.7
12.5°	3240.7	3245.4	3264.1	3282.9	3297.0
15°	3189.1	3198.5	3221.9	3250.1	3264.1
17.5°	3128.1	3137.5	3170.3	3207.9	3226.6
20°	3053.1	3071.9	3114.1	3161.0	3184.4
22.5°	2978.1	2996.8	3048.4	3104.7	3132.8
25°	2889.0	2912.4	2973.4	3039.0	3076.6
27.5°	2795.2	2823.3	2893.6	2968.7	3010.9
30°	2696.7	2729.5	2804.5	2889.0	2931.2
32.5°	2593.5	2626.3	2710.7	2804.5	2851.4
35°	2490.3	2523.1	2612.3	2715.4	2767.0
37.5°	2377.8	2410.6	2504.4	2616.9	2673.2
40°	2260.5	2298.0	2396.5	2509.1	2570.0
42.5°	2138.6	2180.8	2279.3	2401.2	2462.2
45°	2016.6	2058.9	2162.0	2279.3	2344.9
47.5°	1899.4	1932.2	2035.4	2157.3	2223.0
50°	1777.5	1805.6	1908.8	2030.7	2096.4
52.5°	1646.1	1683.7	1782.1	1904.1	1965.1
55°	1519.5	1547.7	1650.8	1768.1	1829.0
57.5°	1388.2	1416.3	1514.8	1632.1	1688.4
60°	1261.6	1289.7	1378.8	1496.1	1552.3
62.5°	1120.9	1149.0	1238.1	1360.1	1416.3
65°	994.3	1017.7	1097.4	1210.0	1275.6
67.5°	867.6	891.1	966.1	1074.0	1125.6
70°	741.0	759.8	834.8	933.3	989.6
72.5°	619.1	637.8	712.9	802.0	848.9
75°	497.1	520.6	586.2	675.3	717.5
77.5°	384.6	408.0	464.3	544.0	581.5
80°	281.4	300.2	351.7	412.7	445.5
82.5°	187.6	201.7	239.2	290.8	314.2
85°	103.2	107.9	136.0	168.8	178.2
87.5°	42.2	42.2	51.6	56.3	61.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)