

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: P385328

Luminaire Tested: **22ID-70-L840-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-70-L840-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

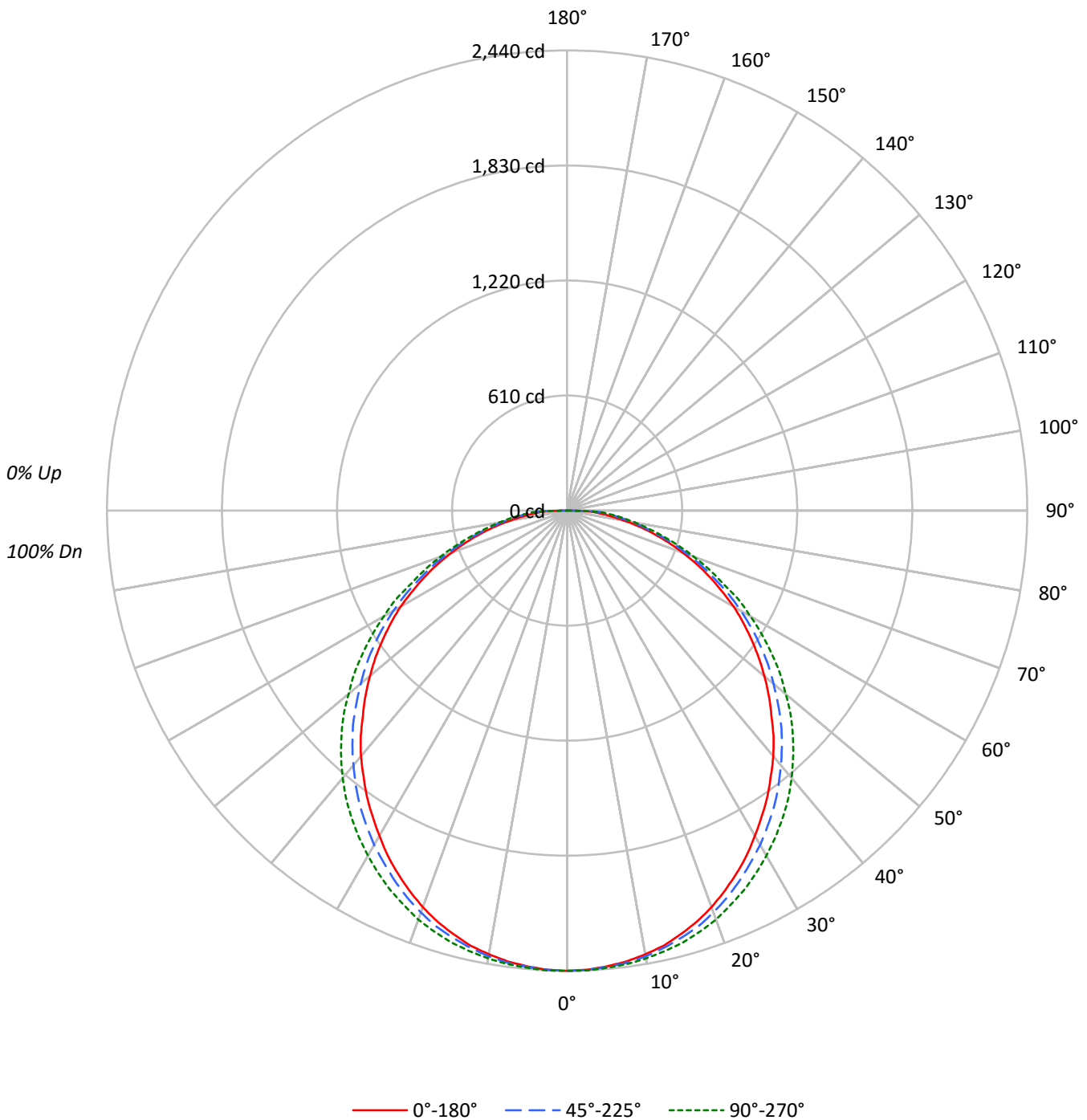
Lumens per Lamp: N/A  
Luminaire Lumens: 7078.3 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 61.8  
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	108	103	99	94	105	101	97	93	96	93	90		93	90	87		89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74		81	76	72		78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28		40	33	28		38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6567	6567	6567
5°	6505	6495	6525
10°	6433	6424	6493
15°	6339	6332	6460
20°	6220	6226	6415
25°	6070	6092	6344
30°	5904	5954	6264
35°	5747	5809	6181
40°	5583	5636	6079
45°	5379	5464	5948
50°	5200	5243	5761
55°	5000	5026	5556
60°	4795	4755	5280
65°	4514	4415	4911
70°	4171	4047	4572
75°	3765	3642	4175
80°	3215	3214	3835
85°	2736	2906	3667



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.9	3.3
10°-20°	661.7	9.3
20°-30°	998.6	14.1
30°-40°	1198.6	16.9
40°-50°	1240.5	17.5
50°-60°	1123.8	15.9
60°-70°	865.8	12.2
70°-80°	535.8	7.6
80°-90°	222.5	3.1
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°	1891.3	26.7
0°-40°	3089.9	43.7
0°-60°	5454.2	77.1
0°-90°	7078.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7078.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2440	2440	2440	2440	2440	
5°	2426	2426	2429	2429	2433	230
15°	2326	2330	2345	2360	2370	656
25°	2124	2131	2164	2201	2220	978
35°	1852	1866	1914	1966	1991	1158
45°	1531	1553	1605	1664	1693	1184
55°	1193	1211	1252	1307	1325	1068
65°	836	843	869	906	909	826
75°	475	486	504	526	526	503
85°	173	191	221	236	232	187
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2440.5	2440.5	2440.5	2440.5	2440.5
2.5°	2436.8	2436.8	2436.8	2436.8	2440.5
5°	2425.7	2425.7	2429.4	2429.4	2433.1
7.5°	2411.0	2411.0	2418.4	2418.4	2425.7
10°	2388.9	2392.6	2400.0	2403.6	2411.0
12.5°	2363.2	2363.2	2374.2	2385.2	2392.6
15°	2326.3	2330.0	2344.8	2359.5	2370.5
17.5°	2285.9	2289.5	2311.6	2326.3	2341.1
20°	2238.0	2241.7	2267.5	2289.5	2307.9
22.5°	2182.8	2190.2	2219.6	2249.0	2263.8
25°	2123.9	2131.3	2164.4	2201.2	2219.6
27.5°	2061.3	2072.4	2105.5	2146.0	2168.1
30°	1991.4	2006.1	2046.6	2090.8	2112.9
32.5°	1921.4	1936.2	1980.3	2031.9	2054.0
35°	1851.5	1866.2	1914.1	1965.6	1991.4
37.5°	1774.2	1788.9	1840.5	1895.7	1925.1
40°	1700.6	1715.3	1763.2	1825.7	1851.5
42.5°	1619.6	1634.3	1685.9	1744.8	1774.2
45°	1531.3	1553.4	1604.9	1663.8	1693.2
47.5°	1450.3	1468.7	1516.5	1579.1	1608.6
50°	1365.6	1384.0	1428.2	1490.8	1512.9
52.5°	1281.0	1299.4	1343.5	1402.4	1424.5
55°	1192.6	1211.0	1251.5	1306.7	1325.1
57.5°	1108.0	1122.7	1159.5	1211.0	1225.7
60°	1019.6	1034.3	1063.8	1111.6	1122.7
62.5°	923.9	935.0	968.1	1012.3	1027.0
65°	835.6	842.9	868.7	905.5	909.2
67.5°	743.5	750.9	776.7	802.4	813.5
70°	651.5	662.6	681.0	706.7	714.1
72.5°	563.2	574.2	592.6	614.7	618.4
75°	474.8	485.9	504.3	526.4	526.4
77.5°	390.2	401.2	423.3	441.7	441.7
80°	305.5	323.9	346.0	364.4	364.4
82.5°	235.6	250.3	279.8	294.5	294.5
85°	173.0	191.4	220.9	235.6	231.9
87.5°	125.2	143.6	169.3	180.4	176.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)