

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: P385148

Luminaire Tested: **22ID-55-L840-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385148  
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-55-L840-CNC  
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

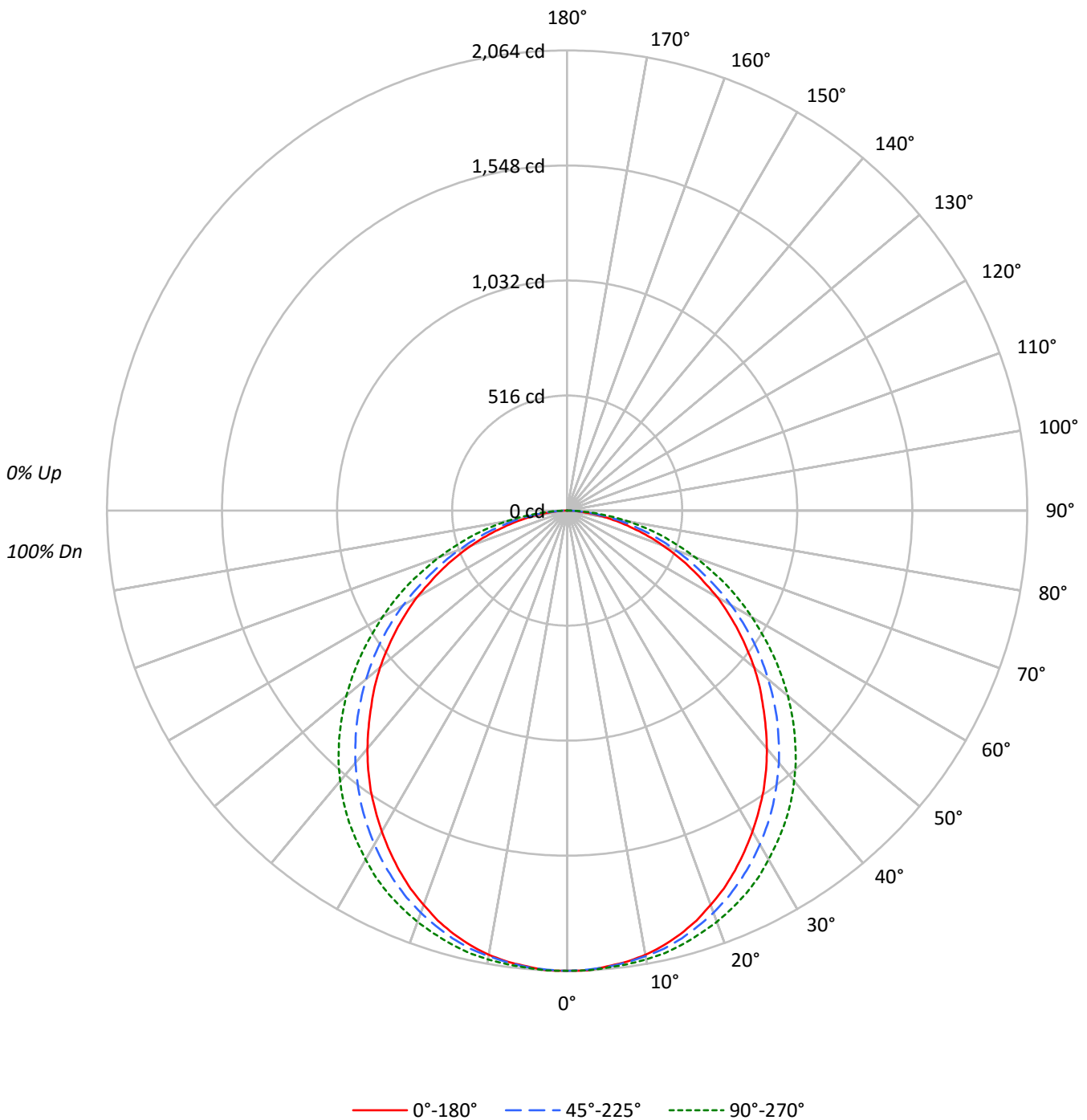
Lumens per Lamp: N/A  
Luminaire Lumens: 5731.5 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 46.3  
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°	5555	5555	5555
5°	5545	5553	5561
10°	5530	5546	5585
15°	5477	5533	5606
20°	5390	5497	5622
25°	5288	5442	5631
30°	5166	5372	5615
35°	5043	5290	5604
40°	4895	5190	5566
45°	4731	5072	5501
50°	4587	4926	5410
55°	4395	4775	5290
60°	4186	4575	5151
65°	3903	4308	5007
70°	3594	4049	4799
75°	3187	3758	4599
80°	2689	3360	4257
85°	1964	2587	3393



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.4	3.4
10°-20°	560.6	9.8
20°-30°	845.5	14.8
30°-40°	1009.4	17.6
40°-50°	1031.6	18.0
50°-60°	914.8	16.0
60°-70°	681.9	11.9
70°-80°	389.6	6.8
80°-90°	102.8	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°	1601.5	27.9
0°-40°	2610.9	45.6
0°-60°	4557.3	79.5
0°-90°	5731.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5731.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2064	2064	2064	2064	2064	
5°	2053	2053	2056	2056	2058	195
15°	1966	1972	1986	2004	2012	554
25°	1781	1795	1833	1874	1897	820
35°	1535	1555	1610	1674	1706	959
45°	1243	1269	1333	1405	1446	960
55°	937	954	1018	1090	1128	837
65°	613	627	676	746	786	607
75°	306	321	361	416	442	327
85°	64	66	84	104	110	79
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2064.3	2064.3	2064.3	2064.3	2064.3
2.5°	2064.3	2061.4	2061.4	2061.4	2064.3
5°	2052.7	2052.7	2055.6	2055.6	2058.5
7.5°	2041.2	2041.2	2044.0	2046.9	2052.7
10°	2023.8	2023.8	2029.6	2038.3	2044.0
12.5°	1997.8	2000.7	2012.2	2023.8	2032.5
15°	1966.0	1971.8	1986.2	2003.6	2012.2
17.5°	1928.4	1934.2	1954.4	1977.6	1989.1
20°	1882.1	1893.7	1919.7	1948.6	1963.1
22.5°	1835.9	1847.4	1879.3	1913.9	1931.3
25°	1781.0	1795.4	1833.0	1873.5	1896.6
27.5°	1723.1	1740.5	1783.8	1830.1	1856.1
30°	1662.4	1682.7	1728.9	1781.0	1807.0
32.5°	1598.8	1619.0	1671.1	1728.9	1757.8
35°	1535.2	1555.4	1610.4	1674.0	1705.8
37.5°	1465.8	1486.1	1543.9	1613.3	1648.0
40°	1393.5	1416.7	1477.4	1546.8	1584.4
42.5°	1318.4	1344.4	1405.1	1480.3	1517.9
45°	1243.2	1269.2	1332.8	1405.1	1445.6
47.5°	1170.9	1191.2	1254.8	1329.9	1370.4
50°	1095.7	1113.1	1176.7	1251.9	1292.3
52.5°	1014.8	1037.9	1098.6	1173.8	1211.4
55°	936.7	954.1	1017.7	1090.0	1127.6
57.5°	855.8	873.1	933.8	1006.1	1040.8
60°	777.7	795.1	850.0	922.3	957.0
62.5°	691.0	708.3	763.3	838.4	873.1
65°	612.9	627.4	676.5	745.9	786.4
67.5°	534.9	549.3	595.6	662.1	693.9
70°	456.8	468.4	514.6	575.3	610.0
72.5°	381.6	393.2	439.5	494.4	523.3
75°	306.5	320.9	361.4	416.3	442.3
77.5°	237.1	251.5	286.2	335.4	358.5
80°	173.5	185.0	216.8	254.4	274.7
82.5°	115.6	124.3	147.4	179.3	193.7
85°	63.6	66.5	83.8	104.1	109.9
87.5°	26.0	26.0	31.8	34.7	37.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)