

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: P385376

Luminaire Tested: **24ID-65-L840-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385376  
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: 24ID-65-L840-CNV  
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

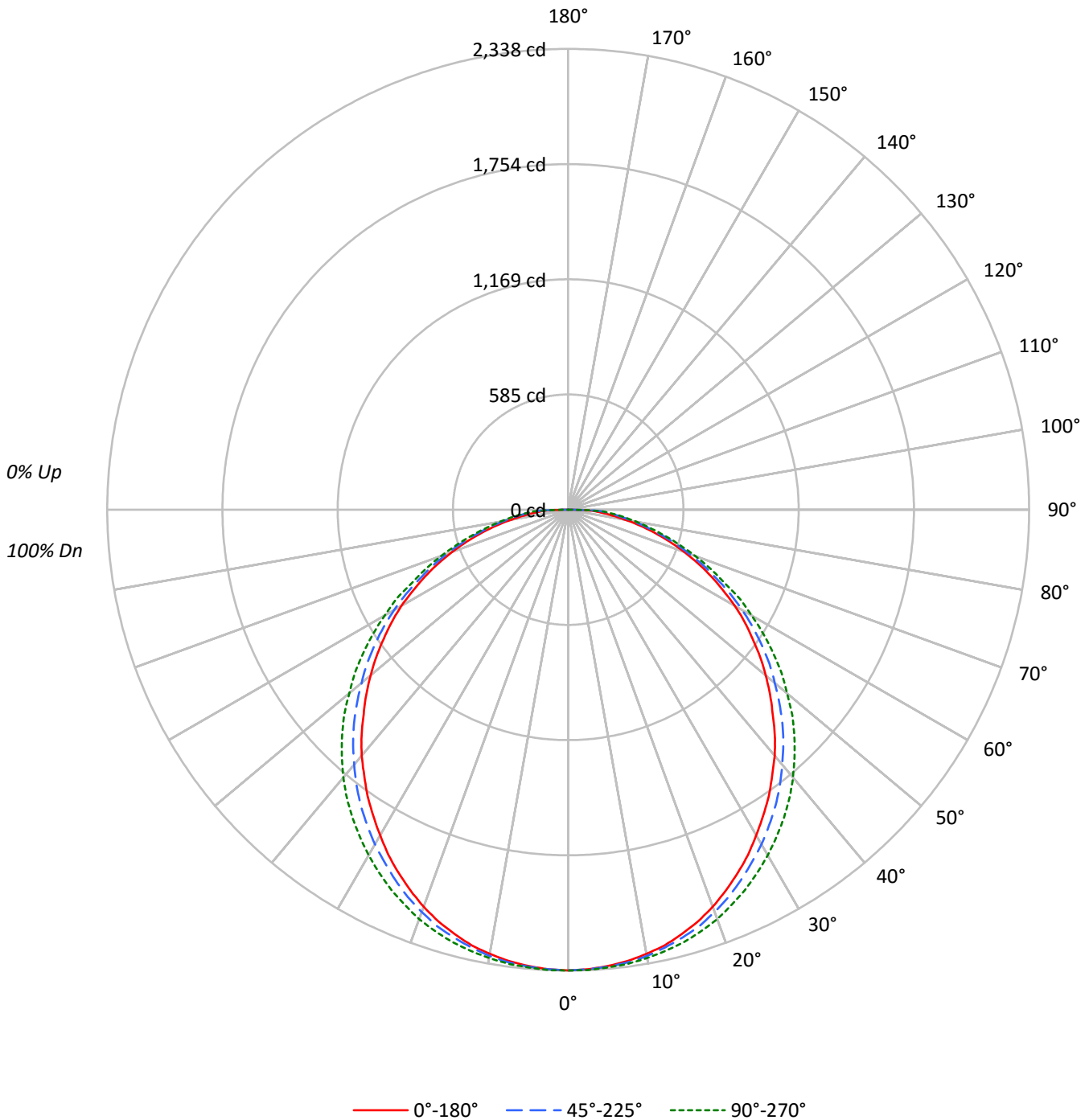
Lumens per Lamp: N/A  
Luminaire Lumens: 6780.1 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 63.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	3145	3145	3145
5°	3127	3119	3125
10°	3104	3093	3110
15°	3070	3056	3094
20°	3024	3013	3072
25°	2963	2956	3038
30°	2894	2898	3000
35°	2830	2836	2960
40°	2764	2762	2911
45°	2679	2688	2849
50°	2609	2591	2759
55°	2529	2497	2661
60°	2451	2378	2529
65°	2339	2227	2352
70°	2203	2065	2190
75°	2046	1888	1999
80°	1834	1710	1837
85°	1733	1625	1756



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.2	3.3
10°-20°	633.9	9.3
20°-30°	956.6	14.1
30°-40°	1148.1	16.9
40°-50°	1188.2	17.5
50°-60°	1076.5	15.9
60°-70°	829.4	12.2
70°-80°	513.2	7.6
80°-90°	213.2	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°	1811.6	26.7
0°-40°	2959.8	43.7
0°-60°	5224.4	77.1
0°-90°	6780.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6780.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2338	2338	2338	2338	2338	
5°	2324	2324	2327	2327	2331	221
15°	2228	2232	2246	2260	2271	628
25°	2034	2042	2073	2108	2126	937
35°	1774	1788	1833	1883	1908	1109
45°	1467	1488	1537	1594	1622	1134
55°	1142	1160	1199	1252	1269	1023
65°	800	807	832	867	871	791
75°	455	465	483	504	504	482
85°	166	183	212	226	222	179
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2337.6	2337.6	2337.6	2337.6	2337.6
2.5°	2334.1	2334.1	2334.1	2334.1	2337.6
5°	2323.5	2323.5	2327.1	2327.1	2330.6
7.5°	2309.4	2309.4	2316.5	2316.5	2323.5
10°	2288.3	2291.8	2298.9	2302.4	2309.4
12.5°	2263.6	2263.6	2274.2	2284.8	2291.8
15°	2228.3	2231.9	2246.0	2260.1	2270.6
17.5°	2189.6	2193.1	2214.2	2228.3	2242.4
20°	2143.7	2147.2	2171.9	2193.1	2210.7
22.5°	2090.8	2097.9	2126.1	2154.3	2168.4
25°	2034.4	2041.5	2073.2	2108.5	2126.1
27.5°	1974.5	1985.1	2016.8	2055.6	2076.7
30°	1907.5	1921.6	1960.4	2002.7	2023.8
32.5°	1840.5	1854.6	1896.9	1946.3	1967.4
35°	1773.5	1787.6	1833.4	1882.8	1907.5
37.5°	1699.5	1713.6	1762.9	1815.8	1844.0
40°	1628.9	1643.0	1688.9	1748.8	1773.5
42.5°	1551.4	1565.5	1614.8	1671.3	1699.5
45°	1466.8	1487.9	1537.3	1593.7	1621.9
47.5°	1389.2	1406.8	1452.7	1512.6	1540.8
50°	1308.1	1325.7	1368.0	1428.0	1449.1
52.5°	1227.0	1244.6	1286.9	1343.4	1364.5
55°	1142.4	1160.0	1198.8	1251.7	1269.3
57.5°	1061.3	1075.4	1110.6	1160.0	1174.1
60°	976.7	990.8	1019.0	1064.8	1075.4
62.5°	885.0	895.6	927.3	969.6	983.7
65°	800.4	807.4	832.1	867.4	870.9
67.5°	712.2	719.3	744.0	768.6	779.2
70°	624.1	634.7	652.3	677.0	684.0
72.5°	539.5	550.0	567.7	588.8	592.3
75°	454.8	465.4	483.0	504.2	504.2
77.5°	373.7	384.3	405.5	423.1	423.1
80°	292.6	310.3	331.4	349.1	349.1
82.5°	225.7	239.8	268.0	282.1	282.1
85°	165.7	183.3	211.6	225.7	222.1
87.5°	119.9	137.5	162.2	172.8	169.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)