

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: P385372

Luminaire Tested: **24ID-60-L840-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385372  
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-60-L840-CNV  
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

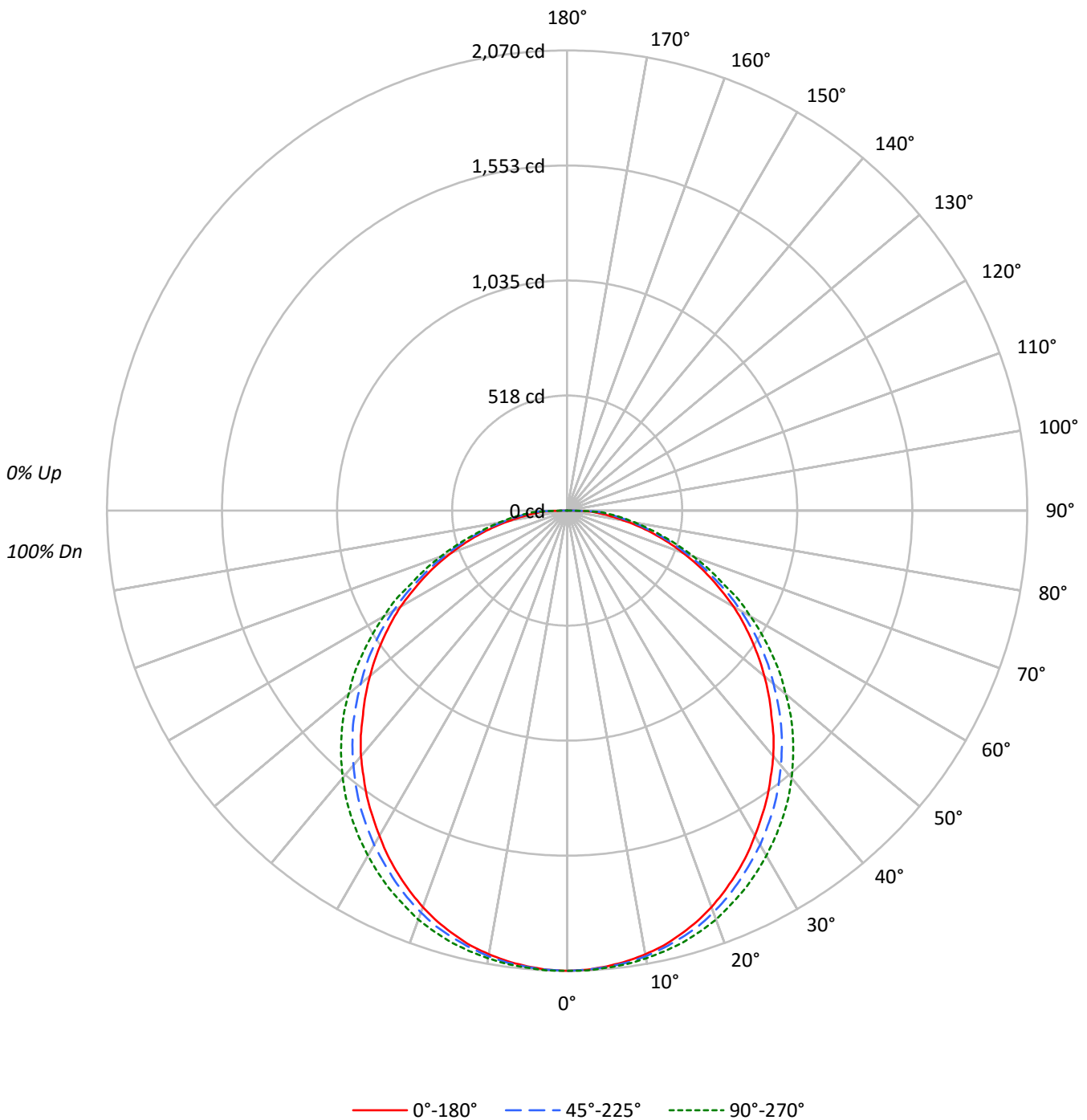
Lumens per Lamp: N/A  
Luminaire Lumens: 6004.7 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 54.6  
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°	2786	2786	2786
5°	2769	2762	2768
10°	2749	2739	2754
15°	2719	2707	2740
20°	2678	2668	2721
25°	2624	2618	2691
30°	2563	2566	2657
35°	2507	2512	2622
40°	2448	2446	2578
45°	2373	2380	2523
50°	2310	2294	2444
55°	2240	2211	2356
60°	2171	2106	2240
65°	2072	1972	2083
70°	1951	1829	1939
75°	1812	1672	1771
80°	1624	1515	1626
85°	1535	1439	1555



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.9	3.3
10°-20°	561.4	9.3
20°-30°	847.2	14.1
30°-40°	1016.8	16.9
40°-50°	1052.3	17.5
50°-60°	953.3	15.9
60°-70°	734.5	12.2
70°-80°	454.5	7.6
80°-90°	188.8	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°	1604.4	26.7
0°-40°	2621.3	43.7
0°-60°	4626.9	77.1
0°-90°	6004.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6004.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2070	2070	2070	2070	2070	
5°	2058	2058	2061	2061	2064	195
15°	1974	1977	1989	2002	2011	557
25°	1802	1808	1836	1867	1883	830
35°	1571	1583	1624	1668	1689	982
45°	1299	1318	1362	1411	1436	1005
55°	1012	1027	1062	1108	1124	906
65°	709	715	737	768	771	701
75°	403	412	428	446	446	427
85°	147	162	187	200	197	159
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2070.3	2070.3	2070.3	2070.3	2070.3
2.5°	2067.2	2067.2	2067.2	2067.2	2070.3
5°	2057.8	2057.8	2060.9	2060.9	2064.1
7.5°	2045.3	2045.3	2051.6	2051.6	2057.8
10°	2026.6	2029.7	2035.9	2039.1	2045.3
12.5°	2004.7	2004.7	2014.1	2023.5	2029.7
15°	1973.5	1976.6	1989.1	2001.6	2011.0
17.5°	1939.1	1942.3	1961.0	1973.5	1986.0
20°	1898.6	1901.7	1923.5	1942.3	1957.9
22.5°	1851.7	1858.0	1882.9	1907.9	1920.4
25°	1801.8	1808.0	1836.1	1867.3	1882.9
27.5°	1748.7	1758.0	1786.1	1820.5	1839.2
30°	1689.3	1701.8	1736.2	1773.6	1792.4
32.5°	1630.0	1642.5	1680.0	1723.7	1742.4
35°	1570.7	1583.2	1623.8	1667.5	1689.3
37.5°	1505.1	1517.6	1561.3	1608.2	1633.1
40°	1442.7	1455.1	1495.7	1548.8	1570.7
42.5°	1374.0	1386.4	1430.2	1480.1	1505.1
45°	1299.0	1317.7	1361.5	1411.4	1436.4
47.5°	1230.3	1245.9	1286.5	1339.6	1364.6
50°	1158.5	1174.1	1211.6	1264.7	1283.4
52.5°	1086.7	1102.3	1139.8	1189.7	1208.5
55°	1011.7	1027.3	1061.7	1108.5	1124.1
57.5°	939.9	952.4	983.6	1027.3	1039.8
60°	865.0	877.5	902.4	943.0	952.4
62.5°	783.8	793.1	821.2	858.7	871.2
65°	708.8	715.1	736.9	768.2	771.3
67.5°	630.8	637.0	658.9	680.7	690.1
70°	552.7	562.1	577.7	599.5	605.8
72.5°	477.8	487.1	502.7	521.5	524.6
75°	402.8	412.2	427.8	446.5	446.5
77.5°	331.0	340.4	359.1	374.7	374.7
80°	259.2	274.8	293.5	309.1	309.1
82.5°	199.8	212.3	237.3	249.8	249.8
85°	146.8	162.4	187.4	199.8	196.7
87.5°	106.2	121.8	143.6	153.0	149.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)