

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: P385145

Luminaire Tested: **22ID-50-L850-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385145  
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-50-L850-CNC  
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

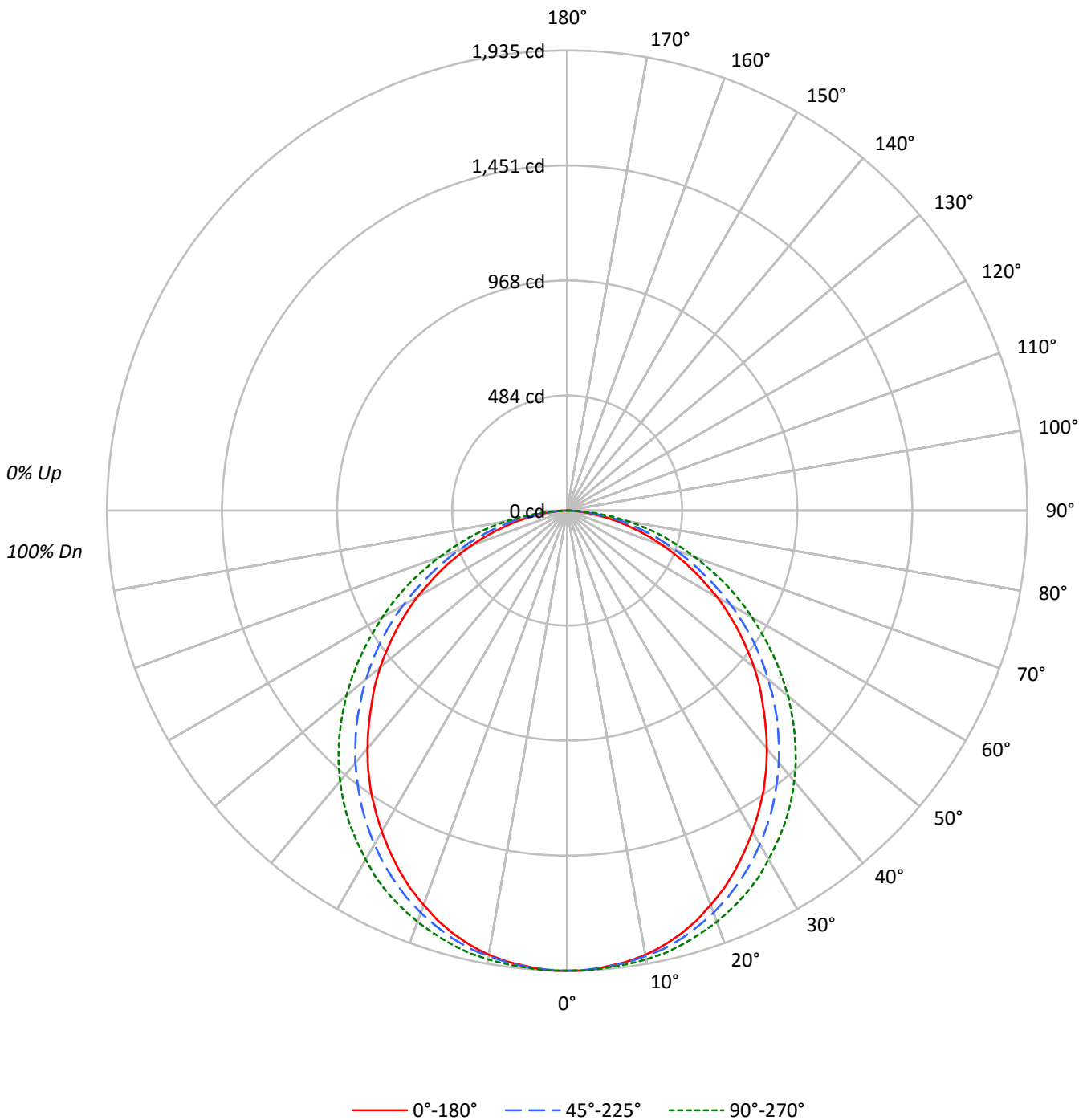
Lumens per Lamp: N/A  
Luminaire Lumens: 5373.2 lumens  
Efficiency: N/A  
Efficacy: 129.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 41.5  
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	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°	5208	5208	5208
5°	5198	5206	5213
10°	5184	5199	5236
15°	5135	5188	5256
20°	5053	5154	5270
25°	4957	5102	5279
30°	4843	5036	5264
35°	4728	4959	5253
40°	4589	4865	5218
45°	4435	4755	5157
50°	4300	4618	5072
55°	4120	4476	4959
60°	3924	4289	4828
65°	3659	4038	4694
70°	3369	3796	4500
75°	2987	3523	4312
80°	2520	3150	3990
85°	1840	2427	3180



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.2	3.4
10°-20°	525.5	9.8
20°-30°	792.6	14.8
30°-40°	946.3	17.6
40°-50°	967.1	18.0
50°-60°	857.6	16.0
60°-70°	639.3	11.9
70°-80°	365.2	6.8
80°-90°	96.3	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°	1501.4	27.9
0°-40°	2447.7	45.6
0°-60°	4272.4	79.5
0°-90°	5373.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5373.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1935	1935	1935	1935	1935	
5°	1924	1924	1927	1927	1930	183
15°	1843	1848	1862	1878	1886	519
25°	1670	1683	1718	1756	1778	769
35°	1439	1458	1510	1569	1599	899
45°	1166	1190	1250	1317	1355	900
55°	878	894	954	1022	1057	785
65°	575	588	634	699	737	569
75°	287	301	339	390	415	306
85°	60	62	79	98	103	74
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1935.2	1935.2	1935.2	1935.2	1935.2
2.5°	1935.2	1932.5	1932.5	1932.5	1935.2
5°	1924.4	1924.4	1927.1	1927.1	1929.8
7.5°	1913.6	1913.6	1916.3	1919.0	1924.4
10°	1897.3	1897.3	1902.7	1910.8	1916.3
12.5°	1872.9	1875.6	1886.5	1897.3	1905.4
15°	1843.1	1848.5	1862.1	1878.3	1886.5
17.5°	1807.8	1813.3	1832.2	1853.9	1864.8
20°	1764.5	1775.3	1799.7	1826.8	1840.4
22.5°	1721.1	1732.0	1761.8	1794.3	1810.6
25°	1669.6	1683.2	1718.4	1756.4	1778.0
27.5°	1615.4	1631.7	1672.3	1715.7	1740.1
30°	1558.5	1577.5	1620.8	1669.6	1694.0
32.5°	1498.9	1517.8	1566.6	1620.8	1647.9
35°	1439.2	1458.2	1509.7	1569.3	1599.1
37.5°	1374.2	1393.2	1447.4	1512.4	1544.9
40°	1306.4	1328.1	1385.0	1450.1	1485.3
42.5°	1236.0	1260.3	1317.3	1387.7	1423.0
45°	1165.5	1189.9	1249.5	1317.3	1355.2
47.5°	1097.7	1116.7	1176.3	1246.8	1284.7
50°	1027.2	1043.5	1103.1	1173.6	1211.6
52.5°	951.4	973.0	1030.0	1100.4	1135.7
55°	878.2	894.4	954.1	1021.8	1057.1
57.5°	802.3	818.5	875.5	943.2	975.8
60°	729.1	745.4	796.9	864.6	897.1
62.5°	647.8	664.1	715.6	786.0	818.5
65°	574.6	588.2	634.2	699.3	737.2
67.5°	501.4	515.0	558.3	620.7	650.5
70°	428.2	439.1	482.5	539.4	571.9
72.5°	357.8	368.6	412.0	463.5	490.6
75°	287.3	300.9	338.8	390.3	414.7
77.5°	222.3	235.8	268.3	314.4	336.1
80°	162.6	173.5	203.3	238.5	257.5
82.5°	108.4	116.5	138.2	168.0	181.6
85°	59.6	62.3	78.6	97.6	103.0
87.5°	24.4	24.4	29.8	32.5	35.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)