

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: P385258

Luminaire Tested: **14ID-55-L830-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385258  
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: 14ID-55-L830-CNV  
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

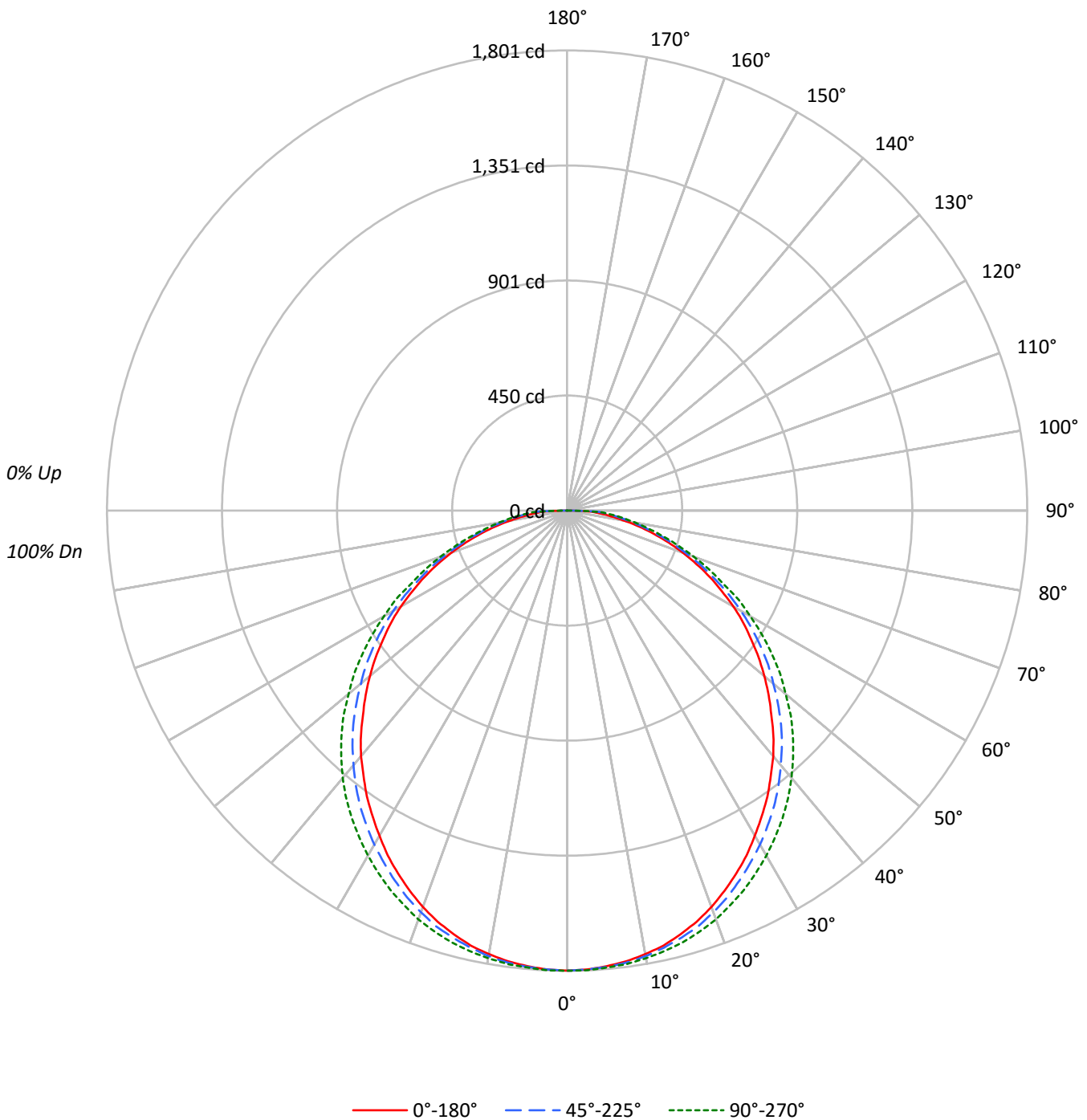
Lumens per Lamp: N/A  
Luminaire Lumens: 5222.5 lumens  
Efficiency: N/A  
Efficacy: 108.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 48.2  
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°	4845	4845	4845
5°	4817	4780	4780
10°	4781	4716	4722
15°	4729	4637	4664
20°	4658	4547	4597
25°	4564	4437	4512
30°	4458	4324	4419
35°	4361	4205	4322
40°	4259	4067	4210
45°	4128	3928	4075
50°	4019	3753	3899
55°	3896	3579	3705
60°	3776	3366	3459
65°	3604	3101	3147
70°	3394	2814	2843
75°	3152	2496	2490
80°	2825	2155	2142
85°	2669	1875	1818



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.4	3.3
10°-20°	488.3	9.3
20°-30°	736.8	14.1
30°-40°	884.4	16.9
40°-50°	915.2	17.5
50°-60°	829.2	15.9
60°-70°	638.8	12.2
70°-80°	395.3	7.6
80°-90°	164.2	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°	1395.4	26.7
0°-40°	2279.8	43.7
0°-60°	4024.2	77.1
0°-90°	5222.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5222.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1801	1801	1801	1801	1801	
5°	1790	1790	1792	1792	1795	170
15°	1716	1719	1730	1741	1749	484
25°	1567	1572	1597	1624	1638	722
35°	1366	1377	1412	1450	1469	854
45°	1130	1146	1184	1228	1249	874
55°	880	894	923	964	978	788
65°	616	622	641	668	671	610
75°	350	358	372	388	388	371
85°	128	141	163	174	171	138
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1800.6	1800.6	1800.6	1800.6	1800.6
2.5°	1797.9	1797.9	1797.9	1797.9	1800.6
5°	1789.7	1789.7	1792.5	1792.5	1795.2
7.5°	1778.9	1778.9	1784.3	1784.3	1789.7
10°	1762.6	1765.3	1770.7	1773.5	1778.9
12.5°	1743.6	1743.6	1751.7	1759.9	1765.3
15°	1716.4	1719.1	1730.0	1740.9	1749.0
17.5°	1686.5	1689.3	1705.6	1716.4	1727.3
20°	1651.2	1654.0	1673.0	1689.3	1702.8
22.5°	1610.5	1615.9	1637.7	1659.4	1670.3
25°	1567.0	1572.5	1596.9	1624.1	1637.7
27.5°	1520.9	1529.0	1553.5	1583.3	1599.6
30°	1469.3	1480.1	1510.0	1542.6	1558.9
32.5°	1417.7	1428.5	1461.1	1499.2	1515.4
35°	1366.1	1376.9	1412.2	1450.3	1469.3
37.5°	1309.0	1319.9	1357.9	1398.7	1420.4
40°	1254.7	1265.6	1300.9	1347.1	1366.1
42.5°	1195.0	1205.8	1243.9	1287.3	1309.0
45°	1129.8	1146.1	1184.1	1227.6	1249.3
47.5°	1070.0	1083.6	1118.9	1165.1	1186.8
50°	1007.6	1021.2	1053.8	1099.9	1116.2
52.5°	945.1	958.7	991.3	1034.7	1051.0
55°	879.9	893.5	923.4	964.1	977.7
57.5°	817.5	828.3	855.5	893.5	904.4
60°	752.3	763.2	784.9	820.2	828.3
62.5°	681.7	689.8	714.3	746.9	757.7
65°	616.5	621.9	640.9	668.1	670.8
67.5°	548.6	554.0	573.0	592.1	600.2
70°	480.7	488.9	502.4	521.4	526.9
72.5°	415.5	423.7	437.3	453.5	456.3
75°	350.3	358.5	372.1	388.4	388.4
77.5°	287.9	296.0	312.3	325.9	325.9
80°	225.4	239.0	255.3	268.9	268.9
82.5°	173.8	184.7	206.4	217.3	217.3
85°	127.6	141.2	163.0	173.8	171.1
87.5°	92.3	105.9	124.9	133.1	130.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)