

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: P385266

Luminaire Tested: **14ID-65-L830-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385266  
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-65-L830-CNV  
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

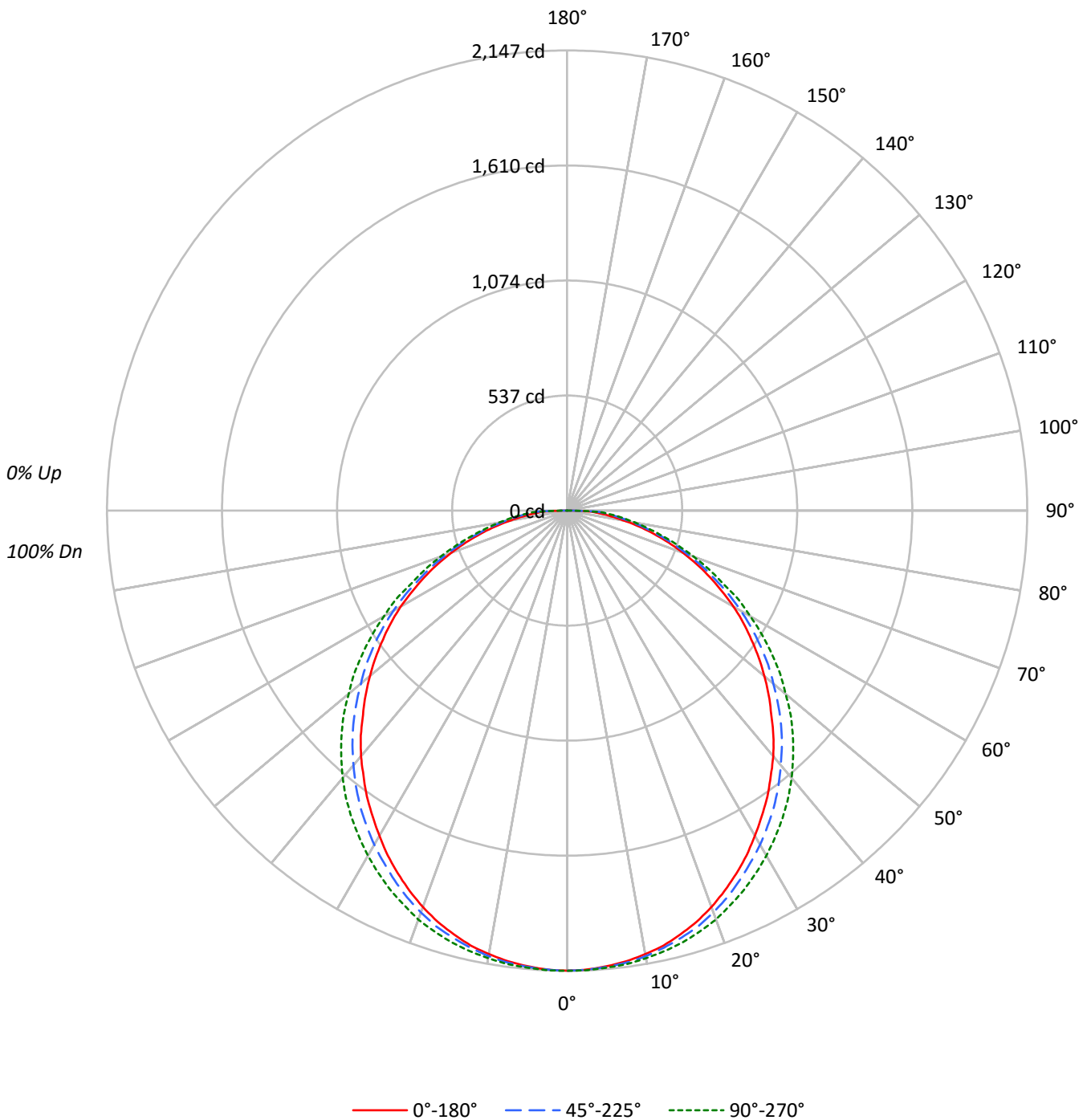
Lumens per Lamp: N/A  
Luminaire Lumens: 6226.8 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 58.4  
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°	5777	5777	5777
5°	5743	5700	5699
10°	5700	5623	5630
15°	5638	5528	5561
20°	5554	5421	5482
25°	5442	5290	5380
30°	5315	5156	5269
35°	5199	5014	5153
40°	5078	4849	5020
45°	4921	4683	4859
50°	4791	4474	4648
55°	4646	4268	4417
60°	4503	4013	4125
65°	4297	3698	3752
70°	4046	3356	3390
75°	3758	2976	2968
80°	3369	2570	2554
85°	3183	2235	2168



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.1	3.3
10°-20°	582.1	9.3
20°-30°	878.5	14.1
30°-40°	1054.5	16.9
40°-50°	1091.3	17.5
50°-60°	988.6	15.9
60°-70°	761.7	12.2
70°-80°	471.3	7.6
80°-90°	195.8	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°	1663.8	26.7
0°-40°	2718.2	43.7
0°-60°	4798.1	77.1
0°-90°	6226.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6226.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2147	2147	2147	2147	2147	
5°	2134	2134	2137	2137	2140	203
15°	2046	2050	2063	2076	2085	577
25°	1868	1875	1904	1936	1953	861
35°	1629	1642	1684	1729	1752	1018
45°	1347	1366	1412	1464	1490	1042
55°	1049	1065	1101	1150	1166	939
65°	735	742	764	797	800	727
75°	418	427	444	463	463	442
85°	152	168	194	207	204	164
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2146.9	2146.9	2146.9	2146.9	2146.9
2.5°	2143.6	2143.6	2143.6	2143.6	2146.9
5°	2133.9	2133.9	2137.2	2137.2	2140.4
7.5°	2121.0	2121.0	2127.4	2127.4	2133.9
10°	2101.5	2104.8	2111.3	2114.5	2121.0
12.5°	2078.9	2078.9	2088.6	2098.3	2104.8
15°	2046.5	2049.7	2062.7	2075.6	2085.4
17.5°	2010.9	2014.1	2033.5	2046.5	2059.4
20°	1968.8	1972.0	1994.7	2014.1	2030.3
22.5°	1920.2	1926.7	1952.6	1978.5	1991.4
25°	1868.4	1874.9	1904.0	1936.4	1952.6
27.5°	1813.3	1823.1	1852.2	1887.8	1907.3
30°	1751.8	1764.8	1800.4	1839.3	1858.7
32.5°	1690.3	1703.3	1742.1	1787.4	1806.9
35°	1628.8	1641.7	1683.8	1729.2	1751.8
37.5°	1560.8	1573.7	1619.1	1667.6	1693.5
40°	1496.0	1509.0	1551.1	1606.1	1628.8
42.5°	1424.8	1437.7	1483.1	1534.9	1560.8
45°	1347.1	1366.5	1411.8	1463.6	1489.5
47.5°	1275.8	1292.0	1334.1	1389.2	1415.1
50°	1201.3	1217.5	1256.4	1311.4	1330.9
52.5°	1126.9	1143.1	1181.9	1233.7	1253.2
55°	1049.2	1065.3	1101.0	1149.5	1165.7
57.5°	974.7	987.6	1020.0	1065.3	1078.3
60°	897.0	909.9	935.8	977.9	987.6
62.5°	812.8	822.5	851.6	890.5	903.4
65°	735.1	741.5	764.2	796.6	799.8
67.5°	654.1	660.6	683.2	705.9	715.6
70°	573.1	582.9	599.1	621.7	628.2
72.5°	495.4	505.1	521.3	540.8	544.0
75°	417.7	427.4	443.6	463.1	463.1
77.5°	343.2	353.0	372.4	388.6	388.6
80°	268.8	285.0	304.4	320.6	320.6
82.5°	207.2	220.2	246.1	259.0	259.0
85°	152.2	168.4	194.3	207.2	204.0
87.5°	110.1	126.3	149.0	158.7	155.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)