

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: P385146

Luminaire Tested: **22ID-55-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385146
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-55-L830-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

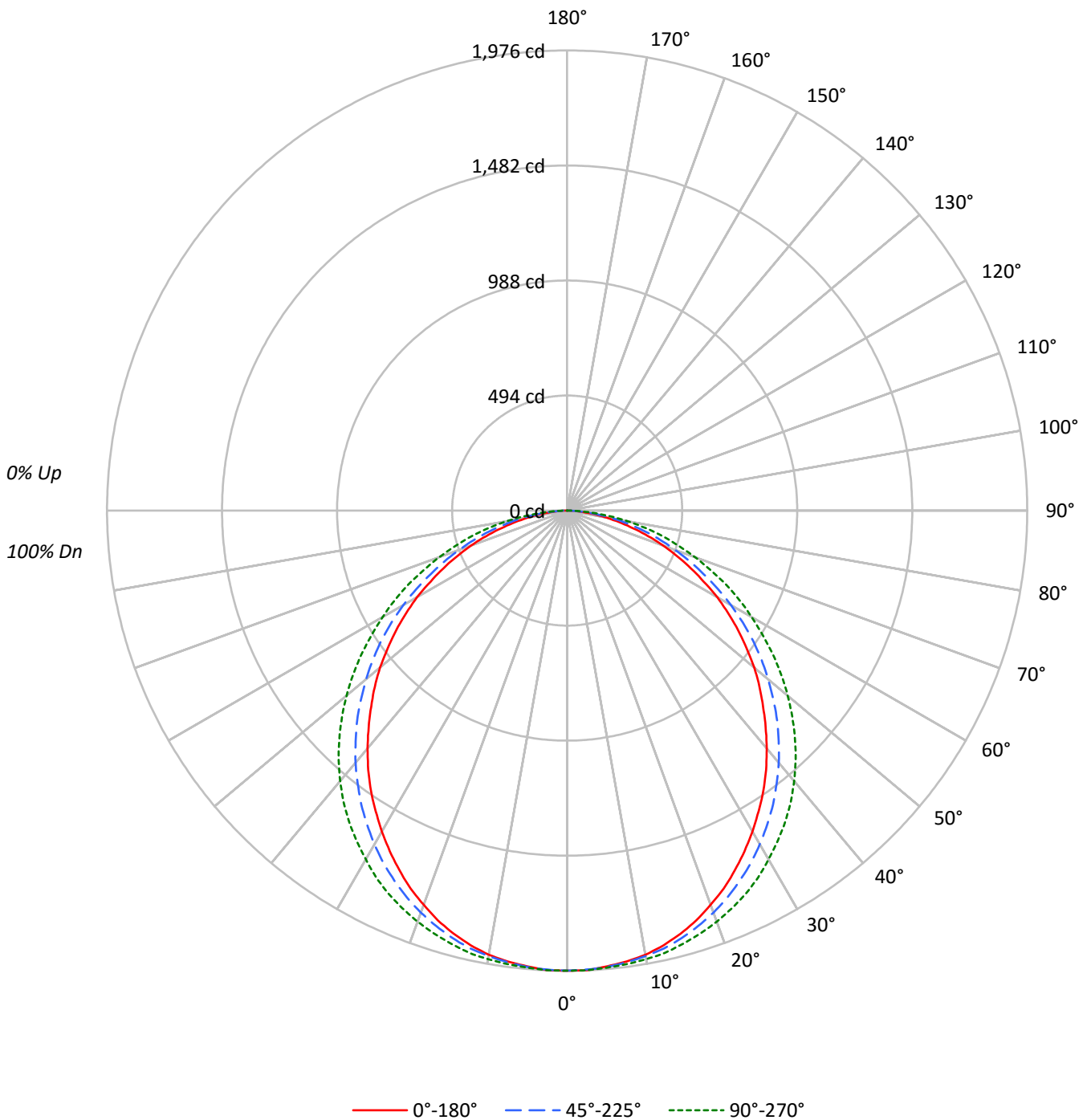
Lumens per Lamp: N/A
Luminaire Lumens: 5485.3 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.9
Input Voltage (V): NR
Input Current (A_{in}): 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



TEST NUMBER: P385146
CATALOG NUMBER: 22ID-55-L830-CNC

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°	5316	5316	5316
5°	5307	5314	5322
10°	5293	5308	5345
15°	5242	5296	5365
20°	5158	5261	5380
25°	5061	5209	5389
30°	4944	5141	5374
35°	4827	5063	5363
40°	4685	4967	5326
45°	4528	4854	5265
50°	4390	4715	5178
55°	4206	4570	5063
60°	4006	4378	4929
65°	3735	4123	4792
70°	3440	3875	4593
75°	3049	3596	4401
80°	2572	3216	4074
85°	1880	2476	3245



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.0	3.4
10°-20°	536.5	9.8
20°-30°	809.2	14.8
30°-40°	966.0	17.6
40°-50°	987.3	18.0
50°-60°	875.5	16.0
60°-70°	652.6	11.9
70°-80°	372.8	6.8
80°-90°	98.3	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°	1532.7	27.9
0°-40°	2498.7	45.6
0°-60°	4361.5	79.5
0°-90°	5485.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5485.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1976	1976	1976	1976	1976	
5°	1964	1964	1967	1967	1970	187
15°	1882	1887	1901	1918	1926	530
25°	1704	1718	1754	1793	1815	785
35°	1469	1489	1541	1602	1632	918
45°	1190	1215	1276	1345	1384	919
55°	896	913	974	1043	1079	801
65°	587	600	648	714	753	581
75°	293	307	346	398	423	313
85°	61	64	80	100	105	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1975.6	1975.6	1975.6	1975.6	1975.6
2.5°	1975.6	1972.8	1972.8	1972.8	1975.6
5°	1964.5	1964.5	1967.3	1967.3	1970.1
7.5°	1953.5	1953.5	1956.2	1959.0	1964.5
10°	1936.9	1936.9	1942.4	1950.7	1956.2
12.5°	1912.0	1914.7	1925.8	1936.9	1945.2
15°	1881.5	1887.1	1900.9	1917.5	1925.8
17.5°	1845.6	1851.1	1870.5	1892.6	1903.7
20°	1801.3	1812.4	1837.3	1864.9	1878.8
22.5°	1757.0	1768.1	1798.5	1831.7	1848.3
25°	1704.5	1718.3	1754.3	1793.0	1815.1
27.5°	1649.1	1665.7	1707.2	1751.5	1776.4
30°	1591.0	1610.4	1654.6	1704.5	1729.4
32.5°	1530.1	1549.5	1599.3	1654.6	1682.3
35°	1469.3	1488.6	1541.2	1602.1	1632.5
37.5°	1402.9	1422.2	1477.6	1544.0	1577.2
40°	1333.7	1355.8	1413.9	1480.3	1516.3
42.5°	1261.7	1286.6	1344.7	1416.7	1452.7
45°	1189.8	1214.7	1275.6	1344.7	1383.5
47.5°	1120.6	1140.0	1200.9	1272.8	1311.5
50°	1048.7	1065.3	1126.2	1198.1	1236.8
52.5°	971.2	993.3	1051.4	1123.4	1159.4
55°	896.5	913.1	974.0	1043.1	1079.1
57.5°	819.0	835.6	893.7	962.9	996.1
60°	744.3	760.9	813.5	882.7	915.9
62.5°	661.3	677.9	730.5	802.4	835.6
65°	586.6	600.4	647.5	713.9	752.6
67.5°	511.9	525.7	570.0	633.6	664.1
70°	437.2	448.2	492.5	550.6	583.8
72.5°	365.2	376.3	420.6	473.2	500.8
75°	293.3	307.1	345.9	398.4	423.3
77.5°	226.9	240.7	273.9	321.0	343.1
80°	166.0	177.1	207.5	243.5	262.9
82.5°	110.7	119.0	141.1	171.6	185.4
85°	60.9	63.6	80.2	99.6	105.1
87.5°	24.9	24.9	30.4	33.2	36.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)