

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: P385142

Luminaire Tested: **22ID-50-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385142
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-L830-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

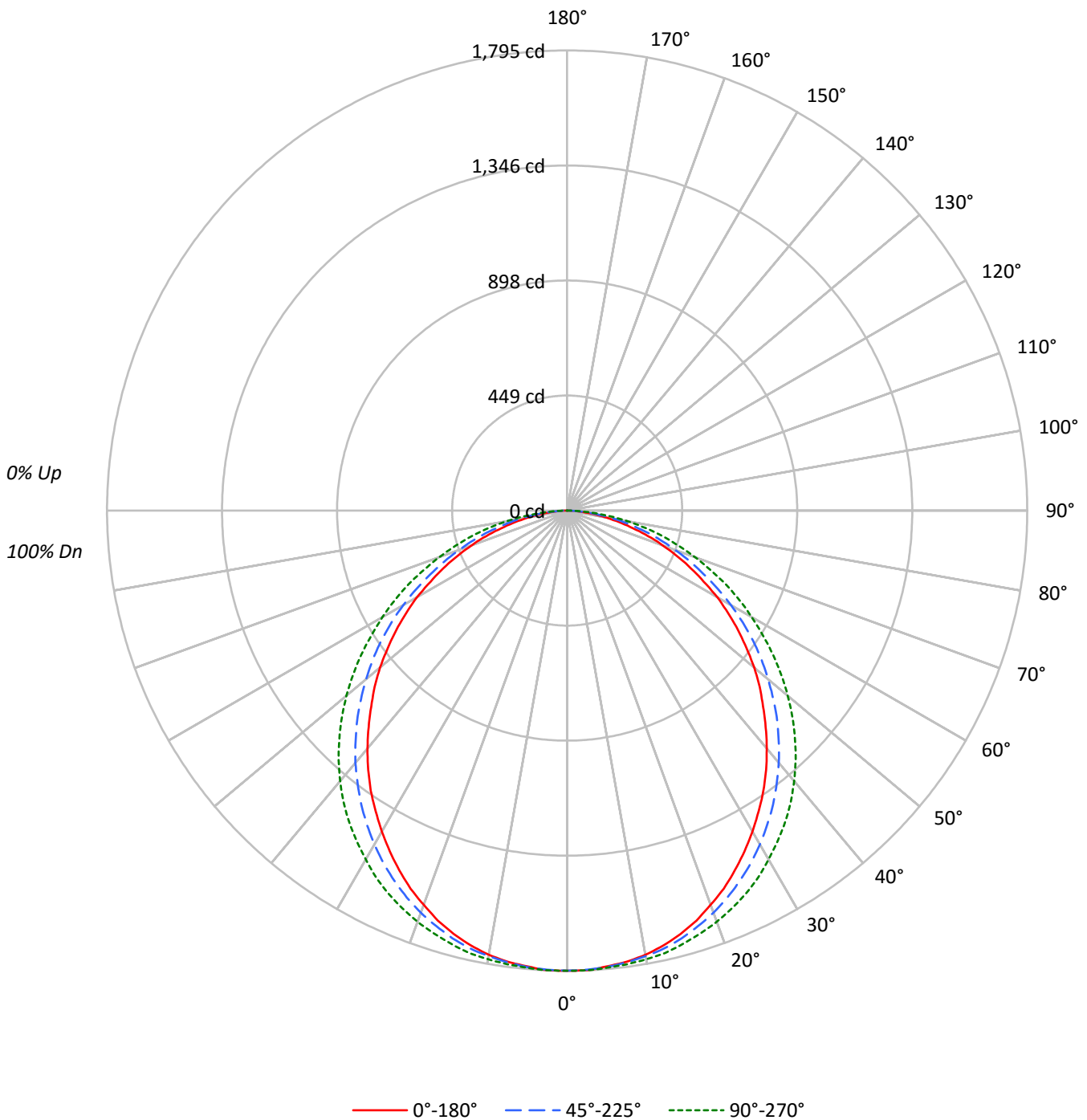
Lumens per Lamp: N/A
Luminaire Lumens: 4983.8 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.1
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	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					100			
1	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84					84			
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70					70			
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59					59			
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50					50			
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44					44			
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38					38			
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34					34			
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30					30			
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27					27			
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4830	4830	4830
5°	4821	4828	4835
10°	4809	4822	4857
15°	4763	4812	4875
20°	4687	4780	4888
25°	4598	4733	4897
30°	4492	4671	4882
35°	4385	4600	4873
40°	4256	4513	4840
45°	4114	4411	4784
50°	3989	4284	4705
55°	3821	4152	4600
60°	3640	3978	4478
65°	3394	3746	4354
70°	3125	3521	4174
75°	2771	3267	3999
80°	2337	2921	3701
85°	1707	2251	2949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.9	3.4
10°-20°	487.5	9.8
20°-30°	735.2	14.8
30°-40°	877.7	17.6
40°-50°	897.1	18.0
50°-60°	795.4	16.0
60°-70°	593.0	11.9
70°-80°	338.7	6.8
80°-90°	89.3	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°	1392.6	27.9
0°-40°	2270.3	45.6
0°-60°	3962.7	79.5
0°-90°	4983.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4983.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1795	1795	1795	1795	1795	
5°	1785	1785	1787	1787	1790	170
15°	1710	1714	1727	1742	1750	482
25°	1549	1561	1594	1629	1649	713
35°	1335	1352	1400	1456	1483	834
45°	1081	1104	1159	1222	1257	835
55°	814	830	885	948	980	728
65°	533	546	588	649	684	528
75°	266	279	314	362	385	284
85°	55	58	73	90	96	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1795.0	1795.0	1795.0	1795.0	1795.0
2.5°	1795.0	1792.5	1792.5	1792.5	1795.0
5°	1784.9	1784.9	1787.4	1787.4	1790.0
7.5°	1774.9	1774.9	1777.4	1779.9	1784.9
10°	1759.8	1759.8	1764.8	1772.4	1777.4
12.5°	1737.2	1739.7	1749.7	1759.8	1767.3
15°	1709.5	1714.5	1727.1	1742.2	1749.7
17.5°	1676.8	1681.9	1699.5	1719.6	1729.6
20°	1636.6	1646.7	1669.3	1694.4	1707.0
22.5°	1596.4	1606.4	1634.1	1664.3	1679.3
25°	1548.6	1561.2	1593.9	1629.1	1649.2
27.5°	1498.3	1513.4	1551.1	1591.4	1614.0
30°	1445.5	1463.1	1503.4	1548.6	1571.2
32.5°	1390.2	1407.8	1453.1	1503.4	1528.5
35°	1334.9	1352.5	1400.3	1455.6	1483.3
37.5°	1274.6	1292.2	1342.5	1402.8	1433.0
40°	1211.7	1231.9	1284.7	1345.0	1377.7
42.5°	1146.4	1169.0	1221.8	1287.2	1319.8
45°	1081.0	1103.6	1159.0	1221.8	1257.0
47.5°	1018.2	1035.8	1091.1	1156.4	1191.6
50°	952.8	967.9	1023.2	1088.6	1123.8
52.5°	882.4	902.5	955.3	1020.7	1053.4
55°	814.5	829.6	884.9	947.8	980.5
57.5°	744.1	759.2	812.0	874.9	905.0
60°	676.3	691.3	739.1	802.0	832.1
62.5°	600.8	615.9	663.7	729.1	759.2
65°	533.0	545.5	588.3	648.6	683.8
67.5°	465.1	477.7	517.9	575.7	603.4
70°	397.2	407.3	447.5	500.3	530.5
72.5°	331.8	341.9	382.1	429.9	455.0
75°	266.5	279.1	314.2	362.0	384.6
77.5°	206.1	218.7	248.9	291.6	311.7
80°	150.8	160.9	188.5	221.2	238.8
82.5°	100.6	108.1	128.2	155.9	168.4
85°	55.3	57.8	72.9	90.5	95.5
87.5°	22.6	22.6	27.7	30.2	32.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)