

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: P385162

Luminaire Tested: **22ID-75-L830-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385162  
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-75-L830-CNC  
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

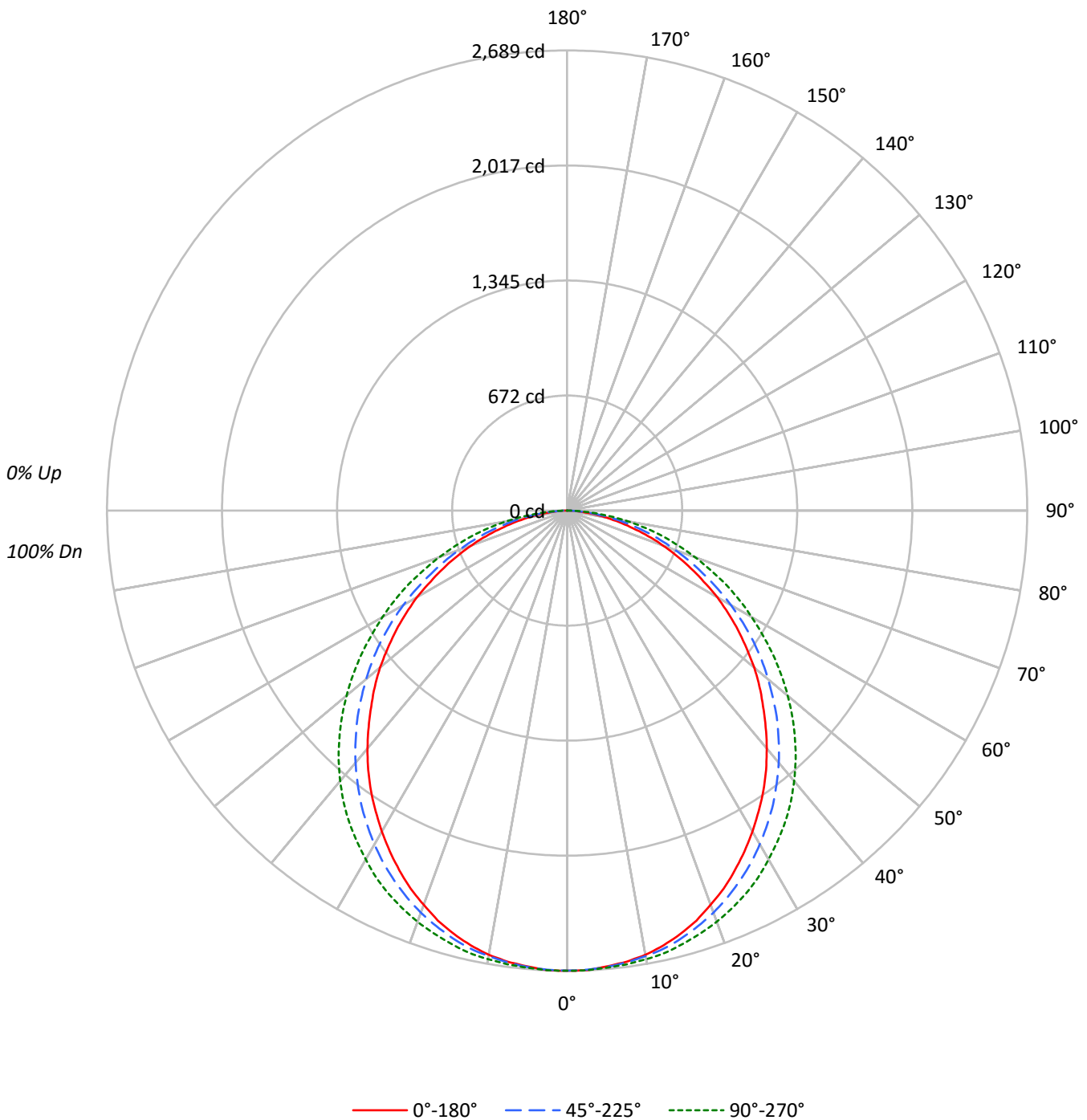
Lumens per Lamp: N/A  
Luminaire Lumens: 7465.3 lumens  
Efficiency: N/A  
Efficacy: 113.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 65.8  
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



TEST NUMBER: P385162  
CATALOG NUMBER: 22ID-75-L830-CNC

### Luminous Intensity Polar Plot





TEST NUMBER: P385162

CATALOG NUMBER: 22ID-75-L830-CNC

**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°	7235	7235	7235
5°	7222	7232	7243
10°	7203	7224	7275
15°	7134	7207	7302
20°	7020	7161	7322
25°	6888	7089	7335
30°	6728	6997	7313
35°	6569	6890	7299
40°	6376	6760	7249
45°	6162	6607	7166
50°	5975	6417	7047
55°	5724	6219	6890
60°	5452	5958	6709
65°	5083	5611	6522
70°	4681	5274	6252
75°	4151	4894	5991
80°	3501	4376	5543
85°	2556	3372	4418



TEST NUMBER: P385162

CATALOG NUMBER: 22ID-75-L830-CNC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.5	3.4
10°-20°	730.2	9.8
20°-30°	1101.2	14.8
30°-40°	1314.7	17.6
40°-50°	1343.7	18.0
50°-60°	1191.5	16.0
60°-70°	888.2	11.9
70°-80°	507.4	6.8
80°-90°	133.8	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°	2085.9	27.9
0°-40°	3400.7	45.6
0°-60°	5935.9	79.5
0°-90°	7465.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7465.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2689	2689	2689	2689	2689	
5°	2674	2674	2677	2677	2681	254
15°	2561	2568	2587	2610	2621	722
25°	2320	2338	2388	2440	2470	1068
35°	2000	2026	2098	2180	2222	1249
45°	1619	1653	1736	1830	1883	1251
55°	1220	1243	1326	1420	1469	1090
65°	798	817	881	972	1024	791
75°	399	418	471	542	576	426
85°	83	87	109	136	143	103
90°	0	0	0	0	0	



TEST NUMBER: P385162

CATALOG NUMBER: 22ID-75-L830-CNC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2688.7	2688.7	2688.7	2688.7	2688.7
2.5°	2688.7	2685.0	2685.0	2685.0	2688.7
5°	2673.7	2673.7	2677.4	2677.4	2681.2
7.5°	2658.6	2658.6	2662.4	2666.1	2673.7
10°	2636.0	2636.0	2643.6	2654.8	2662.4
12.5°	2602.1	2605.9	2621.0	2636.0	2647.3
15°	2560.7	2568.2	2587.1	2609.7	2621.0
17.5°	2511.8	2519.3	2545.6	2575.8	2590.8
20°	2451.5	2466.6	2500.5	2538.1	2556.9
22.5°	2391.2	2406.3	2447.7	2492.9	2515.5
25°	2319.7	2338.5	2387.5	2440.2	2470.3
27.5°	2244.4	2267.0	2323.5	2383.7	2417.6
30°	2165.3	2191.7	2251.9	2319.7	2353.6
32.5°	2082.5	2108.8	2176.6	2251.9	2289.6
35°	1999.6	2026.0	2097.5	2180.4	2221.8
37.5°	1909.2	1935.6	2010.9	2101.3	2146.5
40°	1815.1	1845.2	1924.3	2014.7	2063.6
42.5°	1717.2	1751.1	1830.2	1928.1	1977.0
45°	1619.3	1653.2	1736.0	1830.2	1882.9
47.5°	1525.1	1551.5	1634.3	1732.2	1785.0
50°	1427.2	1449.8	1532.7	1630.6	1683.3
52.5°	1321.8	1351.9	1431.0	1528.9	1577.8
55°	1220.1	1242.7	1325.5	1419.7	1468.6
57.5°	1114.7	1137.3	1216.3	1310.5	1355.7
60°	1013.0	1035.6	1107.1	1201.3	1246.5
62.5°	900.0	922.6	994.2	1092.1	1137.3
65°	798.3	817.2	881.2	971.6	1024.3
67.5°	696.7	715.5	775.7	862.4	903.8
70°	595.0	610.1	670.3	749.4	794.6
72.5°	497.1	512.1	572.4	643.9	681.6
75°	399.2	418.0	470.7	542.3	576.2
77.5°	308.8	327.6	372.8	436.8	467.0
80°	225.9	241.0	282.4	331.4	357.7
82.5°	150.6	161.9	192.1	233.5	252.3
85°	82.8	86.6	109.2	135.6	143.1
87.5°	33.9	33.9	41.4	45.2	49.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)