

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: P385330

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

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385330  
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: 22ID-75-L830-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

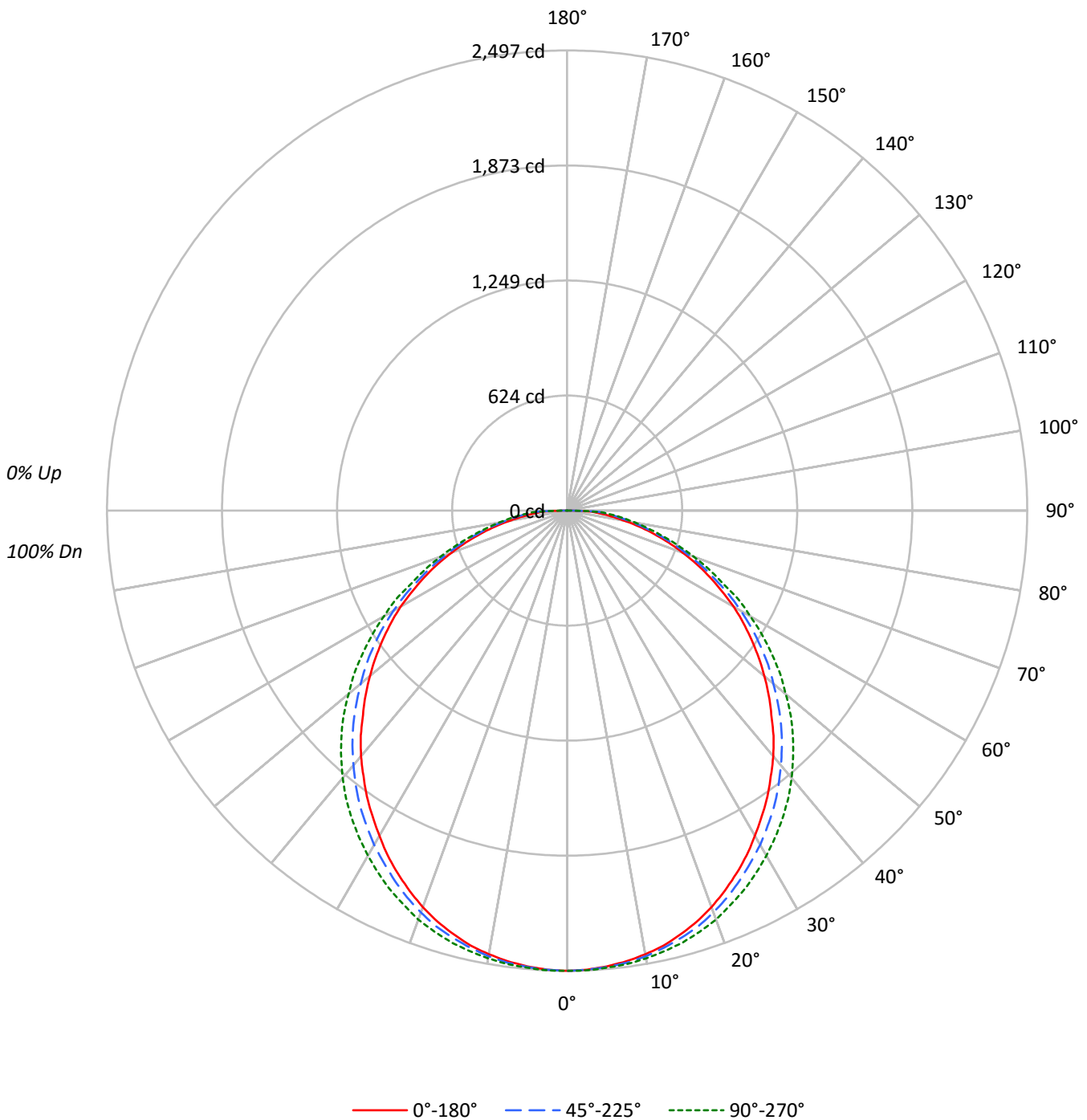
Lumens per Lamp: N/A  
Luminaire Lumens: 7243.0 lumens  
Efficiency: N/A  
Efficacy: 110.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

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



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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°	6720	6720	6720
5°	6657	6647	6677
10°	6583	6574	6644
15°	6487	6480	6610
20°	6365	6371	6564
25°	6212	6233	6491
30°	6041	6093	6410
35°	5881	5944	6325
40°	5713	5767	6220
45°	5504	5591	6086
50°	5322	5365	5895
55°	5117	5142	5685
60°	4907	4865	5403
65°	4619	4518	5025
70°	4268	4141	4678
75°	3853	3726	4271
80°	3290	3289	3924
85°	2799	2973	3752



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.3	3.3
10°-20°	677.1	9.3
20°-30°	1021.9	14.1
30°-40°	1226.5	16.9
40°-50°	1269.3	17.5
50°-60°	1149.9	15.9
60°-70°	886.0	12.2
70°-80°	548.2	7.6
80°-90°	227.7	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°	1935.3	26.7
0°-40°	3161.8	43.7
0°-60°	5581.1	77.1
0°-90°	7243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7243.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2497	2497	2497	2497	2497	
5°	2482	2482	2486	2486	2490	236
15°	2380	2384	2399	2414	2426	671
25°	2173	2181	2215	2252	2271	1001
35°	1895	1910	1959	2011	2038	1184
45°	1567	1590	1642	1702	1733	1212
55°	1220	1239	1281	1337	1356	1093
65°	855	862	889	927	930	845
75°	486	497	516	539	539	515
85°	177	196	226	241	237	191
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2497.2	2497.2	2497.2	2497.2	2497.2
2.5°	2493.5	2493.5	2493.5	2493.5	2497.2
5°	2482.2	2482.2	2485.9	2485.9	2489.7
7.5°	2467.1	2467.1	2474.6	2474.6	2482.2
10°	2444.5	2448.3	2455.8	2459.6	2467.1
12.5°	2418.1	2418.1	2429.4	2440.7	2448.3
15°	2380.5	2384.2	2399.3	2414.4	2425.7
17.5°	2339.0	2342.8	2365.4	2380.5	2395.5
20°	2290.1	2293.8	2320.2	2342.8	2361.6
22.5°	2233.6	2241.1	2271.2	2301.4	2316.4
25°	2173.3	2180.8	2214.7	2252.4	2271.2
27.5°	2109.3	2120.6	2154.5	2195.9	2218.5
30°	2037.7	2052.8	2094.2	2139.4	2162.0
32.5°	1966.2	1981.2	2026.4	2079.1	2101.7
35°	1894.6	1909.7	1958.6	2011.4	2037.7
37.5°	1815.5	1830.6	1883.3	1939.8	1969.9
40°	1740.2	1755.2	1804.2	1868.2	1894.6
42.5°	1657.3	1672.4	1725.1	1785.4	1815.5
45°	1566.9	1589.5	1642.2	1702.5	1732.6
47.5°	1484.0	1502.9	1551.8	1615.9	1646.0
50°	1397.4	1416.2	1461.4	1525.5	1548.1
52.5°	1310.8	1329.6	1374.8	1435.1	1457.7
55°	1220.4	1239.2	1280.6	1337.1	1356.0
57.5°	1133.7	1148.8	1186.5	1239.2	1254.3
60°	1043.3	1058.4	1088.5	1137.5	1148.8
62.5°	945.4	956.7	990.6	1035.8	1050.9
65°	855.0	862.5	888.9	926.6	930.3
67.5°	760.8	768.4	794.7	821.1	832.4
70°	666.7	678.0	696.8	723.2	730.7
72.5°	576.3	587.6	606.4	629.0	632.8
75°	485.9	497.2	516.0	538.6	538.6
77.5°	399.3	410.6	433.2	452.0	452.0
80°	312.6	331.5	354.1	372.9	372.9
82.5°	241.1	256.1	286.3	301.3	301.3
85°	177.0	195.9	226.0	241.1	237.3
87.5°	128.1	146.9	173.3	184.6	180.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)