

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: P385334

Luminaire Tested: **22ID-80-L830-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385334  
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-80-L830-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

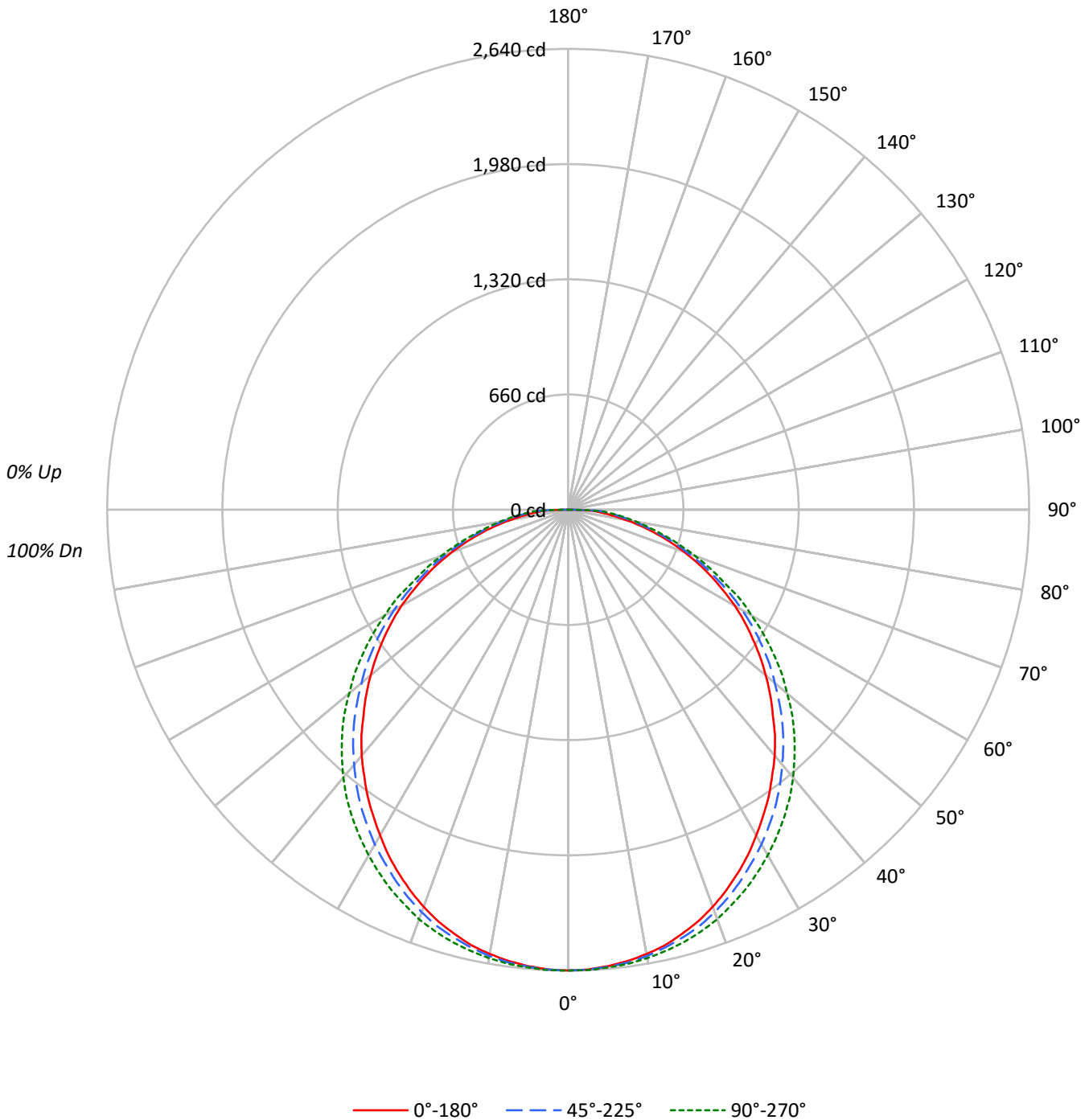
Lumens per Lamp: N/A  
Luminaire Lumens: 7657.3 lumens  
Efficiency: N/A  
Efficacy: 108.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 70.8  
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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82					82			
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68					68			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57					57			
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26					26			
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24					24			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	7104	7104	7104
5°	7037	7027	7059
10°	6959	6950	7024
15°	6858	6850	6988
20°	6729	6735	6939
25°	6567	6590	6863
30°	6387	6441	6776
35°	6217	6284	6687
40°	6040	6097	6576
45°	5819	5911	6435
50°	5626	5671	6233
55°	5409	5437	6010
60°	5188	5144	5712
65°	4883	4777	5313
70°	4512	4379	4946
75°	4074	3939	4516
80°	3478	3477	4148
85°	2960	3143	3968



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.8	3.3
10°-20°	715.9	9.3
20°-30°	1080.3	14.1
30°-40°	1296.7	16.9
40°-50°	1341.9	17.5
50°-60°	1215.7	15.9
60°-70°	936.7	12.2
70°-80°	579.6	7.6
80°-90°	240.7	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°	2046.0	26.7
0°-40°	3342.7	43.7
0°-60°	5900.3	77.1
0°-90°	7657.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7657.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2640	2640	2640	2640	2640	
5°	2624	2624	2628	2628	2632	249
15°	2517	2521	2536	2552	2564	710
25°	2298	2306	2341	2381	2401	1058
35°	2003	2019	2071	2126	2154	1252
45°	1656	1680	1736	1800	1832	1281
55°	1290	1310	1354	1414	1434	1155
65°	904	912	940	980	984	894
75°	514	526	546	569	569	544
85°	187	207	239	255	251	202
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2640.1	2640.1	2640.1	2640.1	2640.1
2.5°	2636.1	2636.1	2636.1	2636.1	2640.1
5°	2624.2	2624.2	2628.1	2628.1	2632.1
7.5°	2608.2	2608.2	2616.2	2616.2	2624.2
10°	2584.3	2588.3	2596.3	2600.3	2608.2
12.5°	2556.5	2556.5	2568.4	2580.4	2588.3
15°	2516.6	2520.6	2536.5	2552.5	2564.4
17.5°	2472.8	2476.8	2500.7	2516.6	2532.6
20°	2421.1	2425.1	2452.9	2476.8	2496.7
22.5°	2361.3	2369.3	2401.2	2433.0	2448.9
25°	2297.6	2305.6	2341.4	2381.3	2401.2
27.5°	2229.9	2241.9	2277.7	2321.5	2345.4
30°	2154.3	2170.2	2214.0	2261.8	2285.7
32.5°	2078.6	2094.5	2142.3	2198.1	2222.0
35°	2003.0	2018.9	2070.7	2126.4	2154.3
37.5°	1919.3	1935.3	1991.0	2050.7	2082.6
40°	1839.7	1855.6	1907.4	1975.1	2003.0
42.5°	1752.1	1768.0	1823.8	1887.5	1919.3
45°	1656.5	1680.4	1736.2	1799.9	1831.7
47.5°	1568.9	1588.8	1640.6	1708.3	1740.1
50°	1477.3	1497.2	1545.0	1612.7	1636.6
52.5°	1385.7	1405.7	1453.4	1517.2	1541.0
55°	1290.2	1310.1	1353.9	1413.6	1433.5
57.5°	1198.6	1214.5	1254.3	1310.1	1326.0
60°	1103.0	1118.9	1150.8	1202.6	1214.5
62.5°	999.5	1011.4	1047.3	1095.1	1111.0
65°	903.9	911.9	939.8	979.6	983.6
67.5°	804.4	812.3	840.2	868.1	880.0
70°	704.8	716.8	736.7	764.5	772.5
72.5°	609.2	621.2	641.1	665.0	669.0
75°	513.7	525.6	545.5	569.4	569.4
77.5°	422.1	434.0	457.9	477.8	477.8
80°	330.5	350.4	374.3	394.2	394.2
82.5°	254.8	270.8	302.6	318.6	318.6
85°	187.2	207.1	238.9	254.8	250.9
87.5°	135.4	155.3	183.2	195.1	191.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)