

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: P385098

Luminaire Tested: **14ID-65-L830-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385098  
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: 14ID-65-L830-CNC  
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

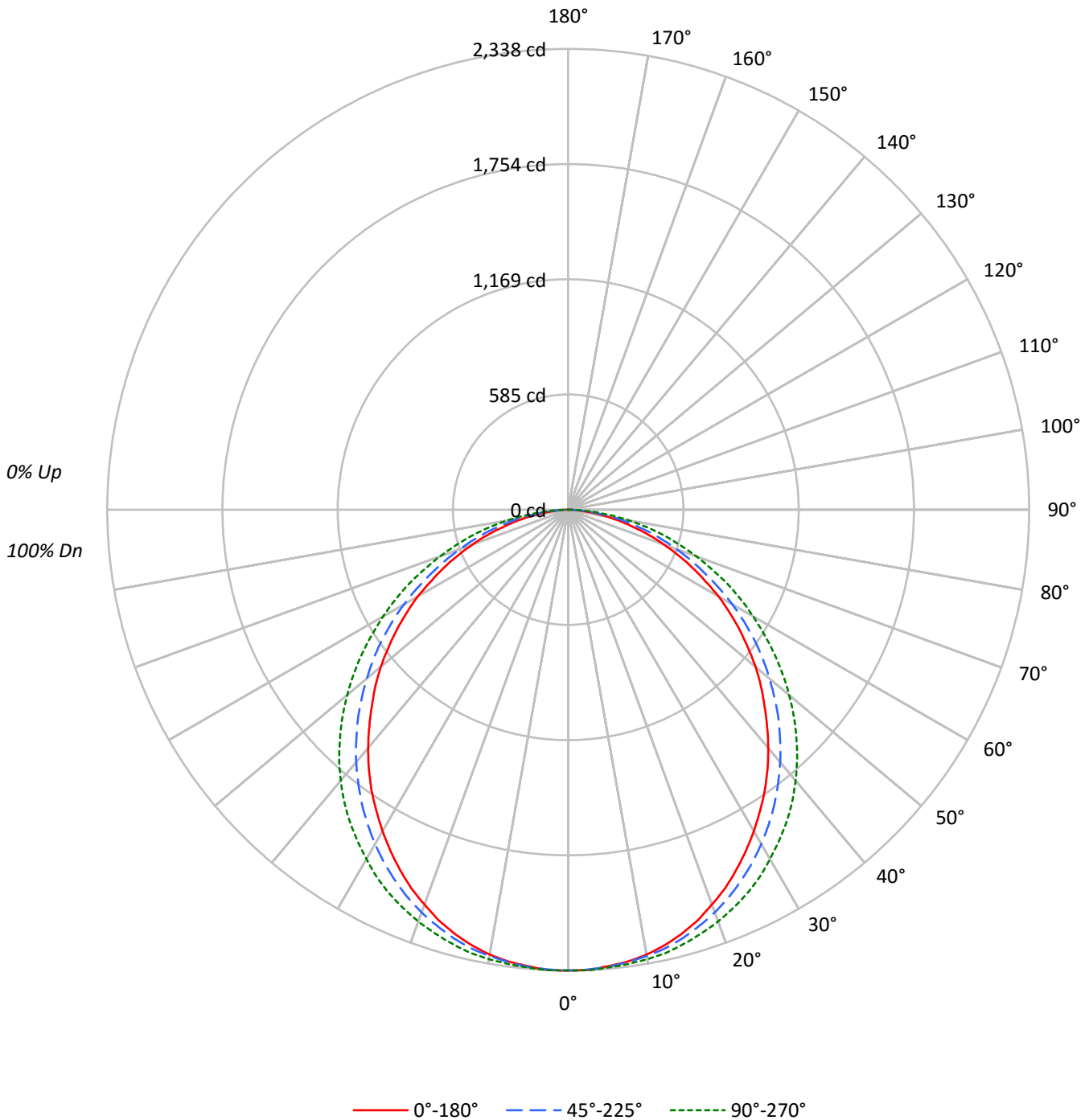
Lumens per Lamp: N/A  
Luminaire Lumens: 6491.6 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 58.4  
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	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°	6292	6292	6292
5°	6280	6289	6298
10°	6263	6281	6326
15°	6203	6267	6349
20°	6105	6226	6367
25°	5989	6164	6378
30°	5851	6085	6359
35°	5712	5992	6347
40°	5544	5878	6304
45°	5359	5745	6231
50°	5196	5580	6128
55°	4978	5408	5992
60°	4741	5181	5834
65°	4420	4879	5671
70°	4071	4586	5436
75°	3609	4256	5209
80°	3045	3806	4821
85°	2223	2933	3841



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.3	3.4
10°-20°	634.9	9.8
20°-30°	957.6	14.8
30°-40°	1143.2	17.6
40°-50°	1168.4	18.0
50°-60°	1036.1	16.0
60°-70°	772.4	11.9
70°-80°	441.2	6.8
80°-90°	116.4	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°	1813.9	27.9
0°-40°	2957.1	45.6
0°-60°	5161.6	79.5
0°-90°	6491.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6491.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2338	2338	2338	2338	2338	
5°	2325	2325	2328	2328	2332	221
15°	2227	2233	2250	2269	2279	627
25°	2017	2034	2076	2122	2148	929
35°	1739	1762	1824	1896	1932	1086
45°	1408	1438	1510	1591	1637	1088
55°	1061	1081	1153	1234	1277	948
65°	694	711	766	845	891	688
75°	347	364	409	472	501	370
85°	72	75	95	118	124	90
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2338.0	2338.0	2338.0	2338.0	2338.0
2.5°	2338.0	2334.8	2334.8	2334.8	2338.0
5°	2324.9	2324.9	2328.2	2328.2	2331.5
7.5°	2311.9	2311.9	2315.1	2318.4	2324.9
10°	2292.2	2292.2	2298.8	2308.6	2315.1
12.5°	2262.7	2266.0	2279.1	2292.2	2302.0
15°	2226.7	2233.3	2249.6	2269.3	2279.1
17.5°	2184.1	2190.7	2213.6	2239.8	2252.9
20°	2131.7	2144.8	2174.3	2207.1	2223.4
22.5°	2079.4	2092.5	2128.5	2167.8	2187.4
25°	2017.1	2033.5	2076.1	2121.9	2148.1
27.5°	1951.6	1971.3	2020.4	2072.8	2102.3
30°	1882.9	1905.8	1958.2	2017.1	2046.6
32.5°	1810.8	1833.8	1892.7	1958.2	1990.9
35°	1738.8	1761.7	1823.9	1896.0	1932.0
37.5°	1660.2	1683.1	1748.6	1827.2	1866.5
40°	1578.3	1604.5	1673.3	1751.9	1794.5
42.5°	1493.2	1522.7	1591.4	1676.6	1719.2
45°	1408.1	1437.5	1509.6	1591.4	1637.3
47.5°	1326.2	1349.1	1421.2	1506.3	1552.1
50°	1241.1	1260.7	1332.8	1417.9	1463.7
52.5°	1149.4	1175.6	1244.3	1329.5	1372.0
55°	1061.0	1080.6	1152.7	1234.5	1277.1
57.5°	969.3	988.9	1057.7	1139.6	1178.8
60°	880.9	900.5	962.7	1044.6	1083.9
62.5°	782.6	802.3	864.5	949.6	988.9
65°	694.2	710.6	766.3	844.8	890.7
67.5°	605.8	622.2	674.6	749.9	785.9
70°	517.4	530.5	582.9	651.6	690.9
72.5°	432.2	445.3	497.7	560.0	592.7
75°	347.1	363.5	409.3	471.5	501.0
77.5°	268.5	284.9	324.2	379.9	406.0
80°	196.5	209.6	245.6	288.2	311.1
82.5°	131.0	140.8	167.0	203.0	219.4
85°	72.0	75.3	95.0	117.9	124.4
87.5°	29.5	29.5	36.0	39.3	42.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)