

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: P385062

Luminaire Tested: **14ID-20-L830-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385062  
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-20-L830-CNC  
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

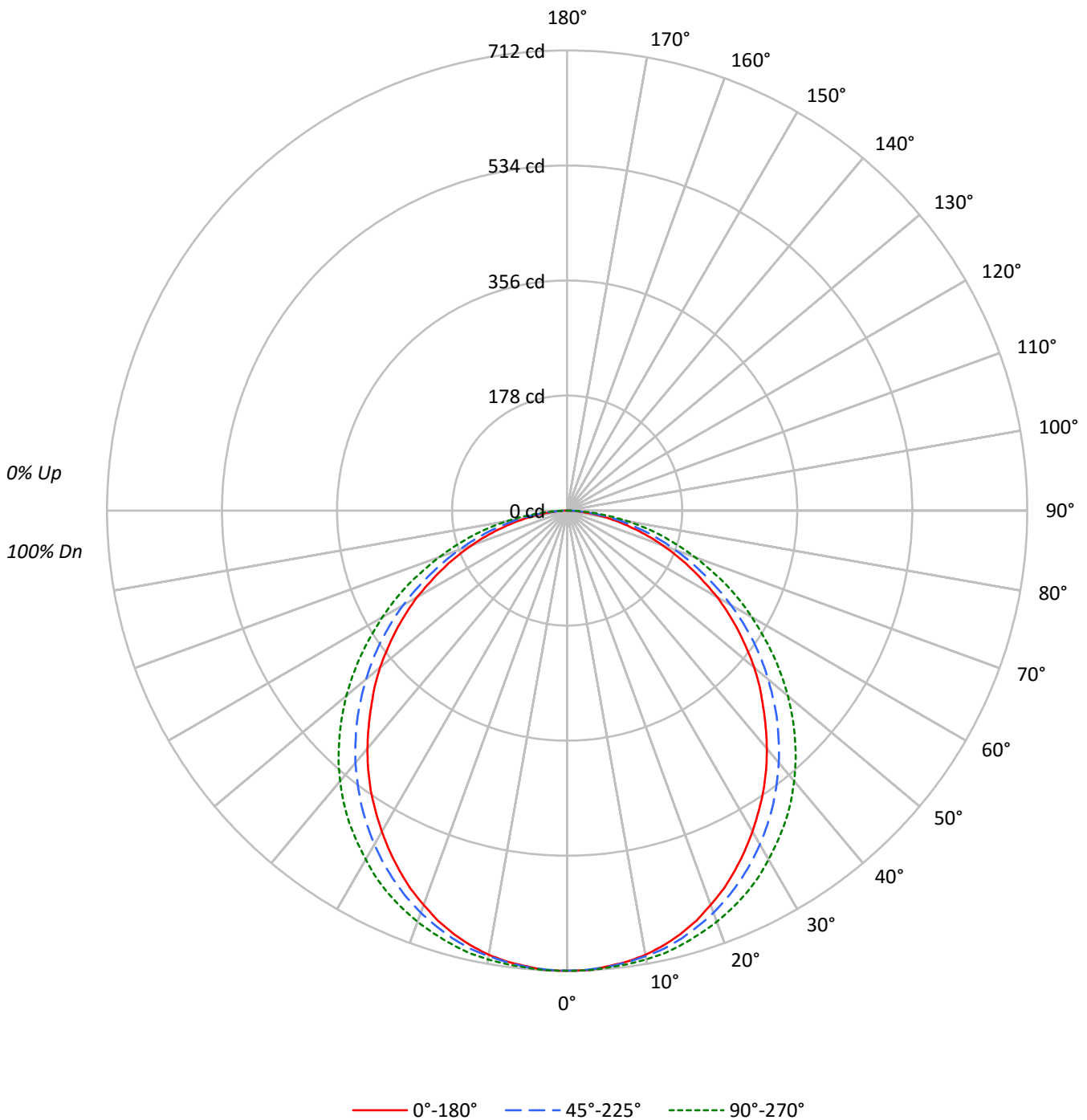
Lumens per Lamp: N/A  
Luminaire Lumens: 1977.0 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.4  
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	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°	1916	1916	1916
5°	1913	1915	1918
10°	1908	1913	1927
15°	1889	1909	1934
20°	1859	1896	1939
25°	1824	1877	1942
30°	1782	1853	1937
35°	1739	1825	1933
40°	1689	1790	1920
45°	1632	1749	1897
50°	1582	1699	1866
55°	1516	1647	1825
60°	1444	1578	1777
65°	1346	1486	1727
70°	1240	1397	1655
75°	1099	1297	1587
80°	927	1159	1468
85°	676	892	1170



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.4	3.4
10°-20°	193.4	9.8
20°-30°	291.6	14.8
30°-40°	348.2	17.6
40°-50°	355.8	18.0
50°-60°	315.5	16.0
60°-70°	235.2	11.9
70°-80°	134.4	6.8
80°-90°	35.4	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°	552.4	27.9
0°-40°	900.6	45.6
0°-60°	1572.0	79.5
0°-90°	1977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1977.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	712	712	712	712	712	
5°	708	708	709	709	710	67
15°	678	680	685	691	694	191
25°	614	619	632	646	654	283
35°	530	536	556	577	588	331
45°	429	438	460	485	499	331
55°	323	329	351	376	389	289
65°	211	216	233	257	271	210
75°	106	111	125	144	153	113
85°	22	23	29	36	38	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	712.0	712.0	712.0	712.0	712.0
2.5°	712.0	711.0	711.0	711.0	712.0
5°	708.1	708.1	709.1	709.1	710.1
7.5°	704.1	704.1	705.1	706.1	708.1
10°	698.1	698.1	700.1	703.1	705.1
12.5°	689.1	690.1	694.1	698.1	701.1
15°	678.1	680.1	685.1	691.1	694.1
17.5°	665.2	667.2	674.2	682.1	686.1
20°	649.2	653.2	662.2	672.2	677.1
22.5°	633.3	637.3	648.2	660.2	666.2
25°	614.3	619.3	632.3	646.2	654.2
27.5°	594.4	600.4	615.3	631.3	640.2
30°	573.4	580.4	596.4	614.3	623.3
32.5°	551.5	558.5	576.4	596.4	606.3
35°	529.5	536.5	555.5	577.4	588.4
37.5°	505.6	512.6	532.5	556.5	568.4
40°	480.7	488.7	509.6	533.5	546.5
42.5°	454.8	463.7	484.7	510.6	523.6
45°	428.8	437.8	459.7	484.7	498.6
47.5°	403.9	410.9	432.8	458.7	472.7
50°	378.0	383.9	405.9	431.8	445.8
52.5°	350.0	358.0	379.0	404.9	417.9
55°	323.1	329.1	351.0	376.0	388.9
57.5°	295.2	301.2	322.1	347.0	359.0
60°	268.3	274.2	293.2	318.1	330.1
62.5°	238.3	244.3	263.3	289.2	301.2
65°	211.4	216.4	233.4	257.3	271.3
67.5°	184.5	189.5	205.4	228.4	239.3
70°	157.6	161.6	177.5	198.5	210.4
72.5°	131.6	135.6	151.6	170.5	180.5
75°	105.7	110.7	124.7	143.6	152.6
77.5°	81.8	86.8	98.7	115.7	123.7
80°	59.8	63.8	74.8	87.8	94.7
82.5°	39.9	42.9	50.9	61.8	66.8
85°	21.9	22.9	28.9	35.9	37.9
87.5°	9.0	9.0	11.0	12.0	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)