

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: P383718

Luminaire Tested: **14ID-20-L830-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383718  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-20-L830-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

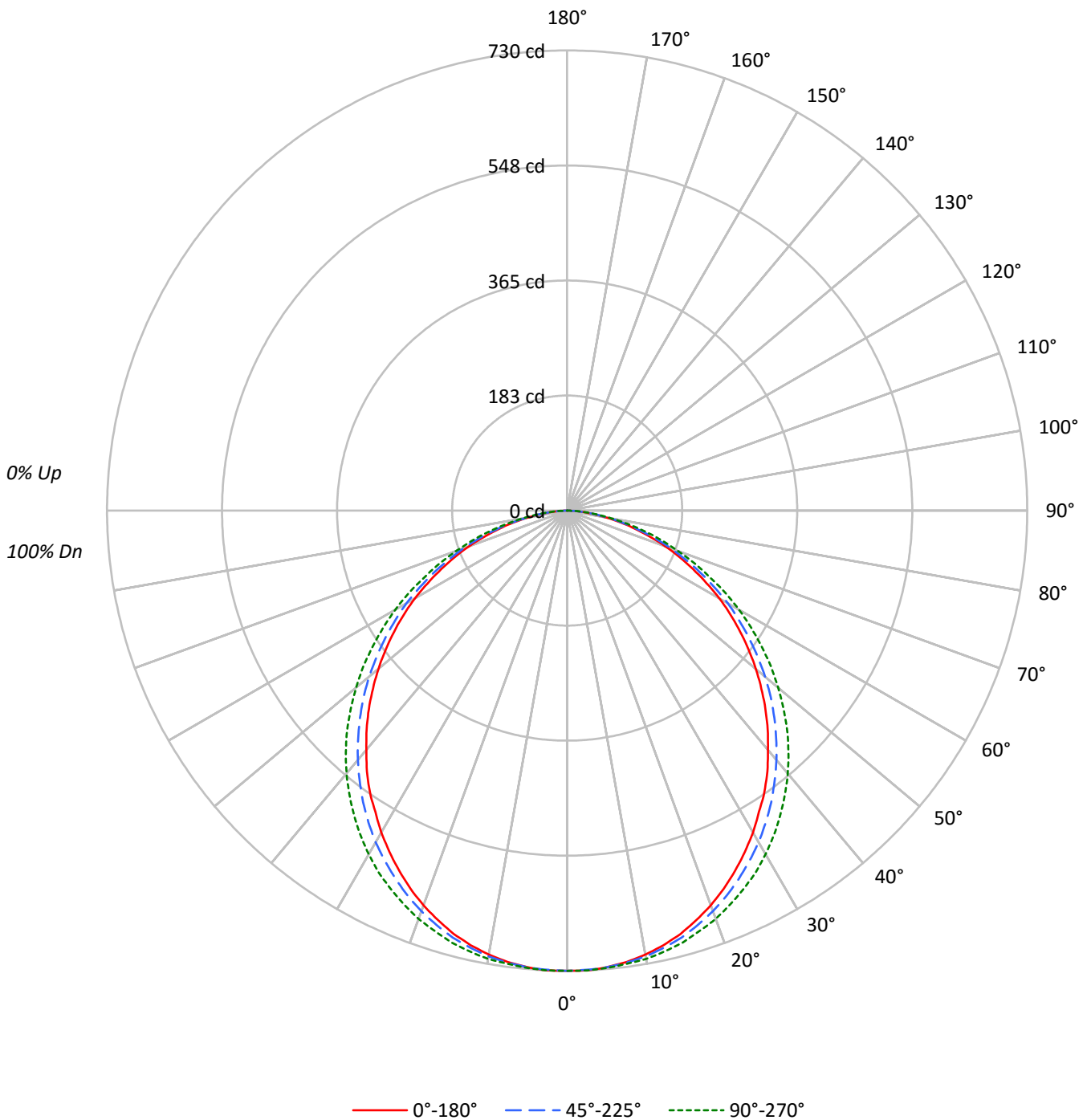
Lumens per Lamp: N/A  
Luminaire Lumens: 1983.0 lumens  
Efficiency: N/A  
Efficacy: 120.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.4  
Input Voltage (V): NR  
Input Current (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	95	98	95	92		94	91	89		90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76		82	78	74		79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64		73	67	63		70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55		65	59	54		63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47		58	52	47		57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42		53	46	41		51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33		44	38	33		43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

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

	0°	45°	90°
0°	1965	1965	1965
5°	1964	1964	1967
10°	1954	1962	1973
15°	1937	1953	1976
20°	1908	1937	1974
25°	1872	1913	1966
30°	1832	1888	1956
35°	1792	1855	1937
40°	1741	1815	1913
45°	1693	1769	1879
50°	1637	1716	1829
55°	1573	1652	1769
60°	1503	1584	1696
65°	1403	1486	1588
70°	1303	1374	1467
75°	1161	1224	1328
80°	973	1020	1113
85°	738	738	831



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.1	3.5
10°-20°	197.7	10.0
20°-30°	297.3	15.0
30°-40°	353.7	17.8
40°-50°	359.9	18.1
50°-60°	316.7	16.0
60°-70°	232.3	11.7
70°-80°	126.1	6.4
80°-90°	30.1	1.5
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°	564.2	28.4
0°-40°	917.9	46.3
0°-60°	1594.5	80.4
0°-90°	1983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1983.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	730	730	730	730	730	
5°	727	726	727	727	728	69
15°	695	696	701	705	709	196
25°	630	634	644	655	662	290
35°	546	550	565	582	590	341
45°	445	449	465	485	494	343
55°	335	340	352	369	377	300
65°	220	224	233	243	249	219
75°	112	114	118	124	128	119
85°	24	24	24	26	27	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	730.2	730.2	730.2	730.2	730.2
2.5°	730.2	729.2	729.2	729.2	730.2
5°	727.2	726.2	727.2	727.2	728.2
7.5°	722.2	721.2	723.2	724.2	725.2
10°	715.2	715.2	718.2	720.2	722.2
12.5°	706.2	707.2	710.2	713.2	716.2
15°	695.2	696.2	701.2	705.2	709.2
17.5°	681.3	683.3	689.3	695.2	699.2
20°	666.3	669.3	676.3	684.3	689.3
22.5°	649.4	653.4	661.3	671.3	676.3
25°	630.4	634.4	644.4	655.3	662.3
27.5°	610.5	615.4	626.4	639.4	647.4
30°	589.5	594.5	607.5	621.4	629.4
32.5°	566.6	572.6	586.5	602.5	610.5
35°	545.6	549.6	564.6	581.5	589.5
37.5°	521.7	526.7	540.6	558.6	567.6
40°	495.7	500.7	516.7	534.7	544.6
42.5°	470.8	474.8	490.8	510.7	519.7
45°	444.9	448.9	464.8	484.8	493.8
47.5°	417.9	422.9	437.9	456.8	465.8
50°	391.0	395.0	410.0	427.9	436.9
52.5°	363.1	367.1	381.0	399.0	408.0
55°	335.2	340.1	352.1	369.1	377.0
57.5°	307.2	312.2	323.2	339.1	346.1
60°	279.3	283.3	294.3	308.2	315.2
62.5°	249.4	252.4	263.3	277.3	283.3
65°	220.4	224.4	233.4	243.4	249.4
67.5°	193.5	195.5	203.5	214.5	218.4
70°	165.6	167.6	174.6	183.5	186.5
72.5°	137.7	140.6	145.6	153.6	157.6
75°	111.7	113.7	117.7	123.7	127.7
77.5°	86.8	87.8	90.8	95.8	98.8
80°	62.8	63.8	65.8	69.8	71.8
82.5°	41.9	42.9	43.9	45.9	47.9
85°	23.9	23.9	23.9	25.9	26.9
87.5°	9.0	8.0	8.0	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)