

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: P384232

Luminaire Tested: **14ID-30-L840-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384232  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-68)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-30-L840-CFD2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

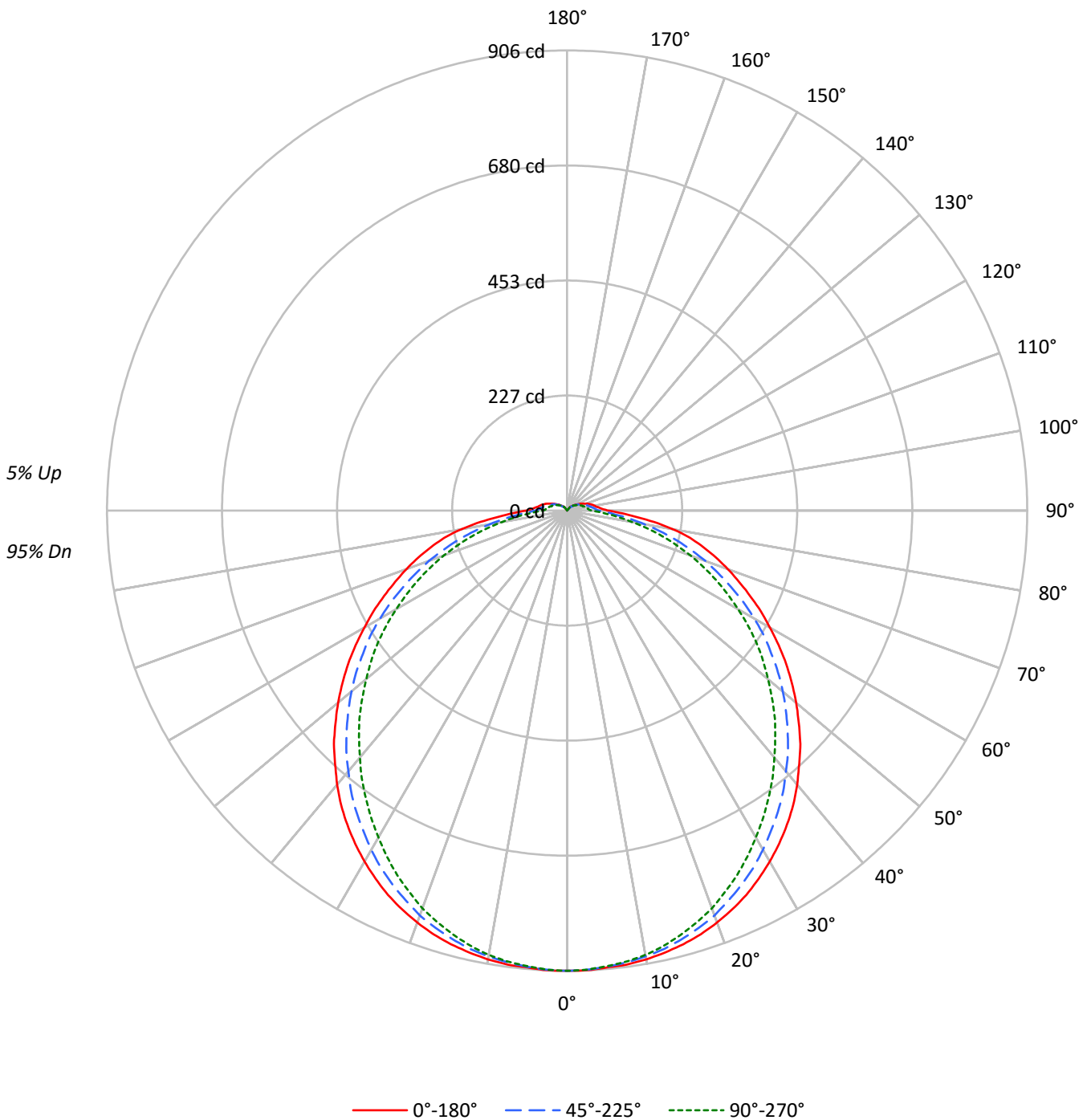
Lumens per Lamp: N/A  
Luminaire Lumens: 2938.8 lumens  
Efficiency: N/A  
Efficacy: 118.0 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 24.9  
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

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

	0°	45°	90°
0°	2438	2438	2438
5°	2431	2404	2397
10°	2434	2374	2358
15°	2435	2341	2306
20°	2435	2306	2250
25°	2432	2258	2182
30°	2421	2208	2106
35°	2409	2155	2033
40°	2391	2096	1956
45°	2373	2036	1887
50°	2348	1975	1803
55°	2331	1903	1725
60°	2315	1825	1623
65°	2323	1722	1517
70°	2376	1620	1392
75°	2495	1483	1236
80°	2659	1302	1040
85°	2792	1126	851



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.8	2.9
10°-20°	246.6	8.4
20°-30°	374.5	12.7
30°-40°	452.4	15.4
40°-50°	473.5	16.1
50°-60°	439.4	15.0
60°-70°	355.9	12.1
70°-80°	240.2	8.2
80°-90°	116.0	3.9
90°-100°	58.4	2.0
100°-110°	42.4	1.4
110°-120°	28.4	1.0
120°-130°	16.4	0.6
130°-140°	8.3	0.3
140°-150°	0.6	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	706.9	24.1
0°-40°	1159.3	39.4
0°-60°	2072.2	70.5
0°-90°	2784.3	94.7
90°-120°	129.2	4.4
90°-150°	154.5	5.3
90°-180°	155.0	5.3
0°-180°	2938.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	906	906	906	906	906	
5°	903	902	902	900	900	86
15°	884	879	874	868	865	250
25°	835	828	813	798	792	385
35°	755	744	724	701	691	472
45°	650	638	614	589	578	500
55°	526	515	491	467	455	471
65°	397	383	356	337	323	394
75°	277	249	221	205	193	292
85°	134	116	98	89	80	126
90°	80	73	62	56	48	46
95°	64	59	53	48	42	50
105°	48	44	40	36	33	51
115°	33	30	30	25	25	32
125°	21	18	19	16	18	18
135°	12	10	10	10	12	9
145°	0	0	0	0	0	1
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	906.1	906.1	906.1	906.1	906.1
2.5°	906.1	904.6	904.6	904.6	904.6
5°	903.1	901.6	901.6	900.2	900.2
7.5°	901.6	898.7	897.2	895.7	895.7
10°	897.2	894.2	891.3	888.3	888.3
12.5°	891.3	888.3	883.8	877.9	877.9
15°	883.8	879.4	873.5	867.5	864.6
17.5°	874.9	870.5	861.6	852.7	849.7
20°	863.1	857.1	848.3	836.4	833.4
22.5°	849.7	843.8	830.5	818.6	812.7
25°	834.9	827.5	812.7	797.8	791.9
27.5°	817.1	809.7	793.4	775.6	768.2
30°	797.8	788.9	771.1	751.9	743.0
32.5°	777.1	766.7	747.4	726.6	717.8
35°	754.8	744.4	723.7	701.4	691.1
37.5°	731.1	720.7	698.5	674.7	664.4
40°	704.4	694.0	670.3	646.6	634.7
42.5°	676.2	667.3	643.6	618.4	606.5
45°	649.5	637.7	613.9	588.7	578.4
47.5°	618.4	609.5	584.3	559.1	547.2
50°	588.7	578.4	554.6	529.4	516.1
52.5°	557.6	548.7	523.5	498.3	486.4
55°	526.5	514.6	490.9	467.1	455.3
57.5°	493.8	483.4	459.7	437.5	422.6
60°	461.2	450.8	425.6	404.8	388.5
62.5°	430.1	418.2	391.5	369.3	355.9
65°	397.4	382.6	355.9	336.6	323.3
67.5°	366.3	348.5	321.8	304.0	290.7
70°	336.6	315.9	289.2	271.4	258.0
72.5°	307.0	281.8	253.6	237.3	225.4
75°	277.3	249.1	221.0	204.6	192.8
77.5°	247.7	215.0	186.9	173.5	161.6
80°	212.1	180.9	154.2	142.4	130.5
82.5°	172.0	146.8	124.6	112.7	103.8
85°	133.5	115.7	97.9	89.0	80.1
87.5°	103.8	90.5	77.1	69.7	62.3
90°	80.1	72.7	62.3	56.4	47.5
92.5°	69.7	63.8	56.4	50.4	43.0
95°	63.8	59.3	53.4	47.5	41.5
97.5°	57.8	54.9	48.9	44.5	38.6
100°	54.9	50.4	46.0	41.5	37.1
102.5°	51.9	47.5	43.0	38.6	35.6
105°	47.5	44.5	40.0	35.6	32.6
107.5°	44.5	40.0	37.1	32.6	31.1
110°	40.0	37.1	34.1	31.1	29.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	35.6	34.1	31.1	28.2	26.7
115°	32.6	29.7	29.7	25.2	25.2
117.5°	29.7	26.7	26.7	23.7	23.7
120°	25.2	23.7	23.7	20.8	20.8
122.5°	22.2	20.8	20.8	19.3	19.3
125°	20.8	17.8	19.3	16.3	17.8
127.5°	17.8	16.3	16.3	14.8	16.3
130°	14.8	13.3	13.3	13.3	14.8
132.5°	13.3	11.9	11.9	11.9	13.3
135°	11.9	10.4	10.4	10.4	11.9
137.5°	10.4	8.9	7.4	8.9	10.4
140°	8.9	7.4	5.9	7.4	8.9
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)