

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: P384564

Luminaire Tested: **14ID-25-L840-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384564  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-25-L840-CFD3  
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

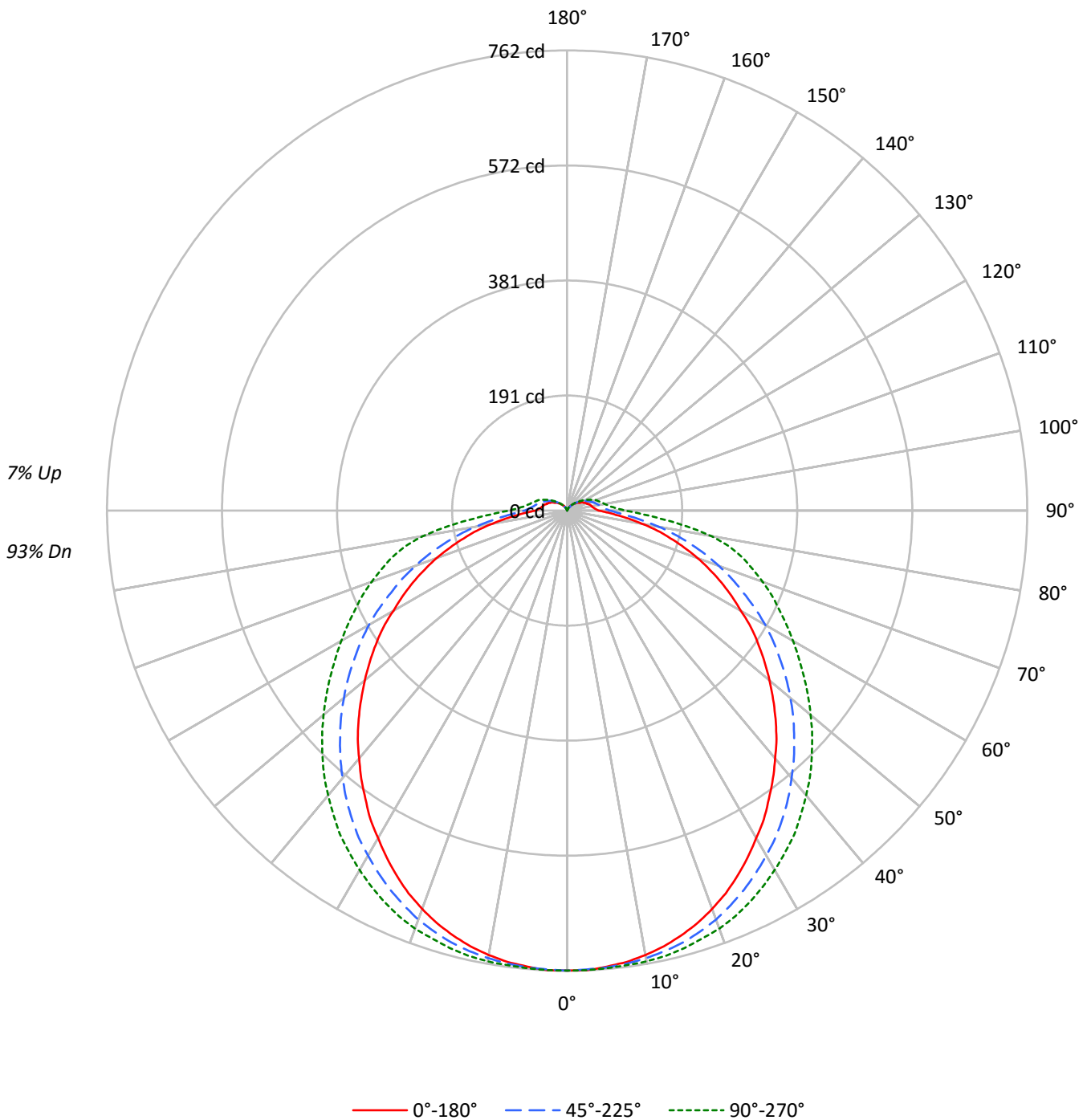
Lumens per Lamp: N/A  
Luminaire Lumens: 2666.0 lumens  
Efficiency: N/A  
Efficacy: 130.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 20.5  
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

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

	0°	45°	90°
0°	2050	2050	2050
5°	2036	2012	2010
10°	2019	1979	1984
15°	1996	1948	1958
20°	1966	1910	1933
25°	1926	1865	1902
30°	1878	1817	1867
35°	1833	1770	1833
40°	1788	1714	1788
45°	1748	1658	1744
50°	1704	1599	1698
55°	1666	1536	1655
60°	1614	1475	1623
65°	1583	1390	1604
70°	1544	1308	1606
75°	1491	1197	1616
80°	1445	1061	1551
85°	1461	897	1245



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.2	2.7
10°-20°	208.7	7.8
20°-30°	318.9	12.0
30°-40°	388.2	14.6
40°-50°	410.3	15.4
50°-60°	387.3	14.5
60°-70°	325.9	12.2
70°-80°	234.9	8.8
80°-90°	123.9	4.6
90°-100°	66.3	2.5
100°-110°	50.4	1.9
110°-120°	36.5	1.4
120°-130°	22.9	0.9
130°-140°	12.4	0.5
140°-150°	5.4	0.2
150°-160°	1.4	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	599.9	22.5
0°-40°	988.1	37.1
0°-60°	1785.8	67.0
0°-90°	2470.5	92.7
90°-120°	153.2	5.7
90°-150°	194.0	7.3
90°-180°	195.0	7.3
0°-180°	2666.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	762	762	762	762	762	
5°	758	758	759	759	760	72
15°	729	731	741	746	750	205
25°	667	675	693	709	715	307
35°	582	596	622	646	656	365
45°	488	503	532	561	573	377
55°	387	404	431	463	479	346
65°	282	298	322	362	387	279
75°	177	192	210	251	300	188
85°	81	92	102	128	156	76
90°	52	61	70	84	96	30
95°	45	52	60	68	73	36
105°	39	42	48	53	56	40
115°	31	33	37	40	42	31
125°	23	23	27	27	28	20
135°	16	15	16	16	17	12
145°	9	8	8	8	9	6
155°	4	4	1	3	4	2
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°	761.8	761.8	761.8	761.8	761.8
2.5°	761.8	760.5	760.5	760.5	761.8
5°	757.9	757.9	759.2	759.2	760.5
7.5°	753.9	753.9	756.5	757.9	759.2
10°	747.2	748.6	752.5	755.2	757.9
12.5°	739.2	740.6	747.2	752.5	755.2
15°	728.6	731.3	740.6	745.9	749.9
17.5°	716.6	720.6	731.3	739.2	743.2
20°	702.0	707.3	720.6	731.3	736.6
22.5°	686.1	691.4	707.3	720.6	727.3
25°	667.4	675.4	692.7	708.7	715.3
27.5°	647.5	656.8	676.8	695.4	702.0
30°	626.2	636.9	659.5	679.4	687.4
32.5°	606.3	616.9	642.2	663.5	671.4
35°	582.4	595.7	622.2	646.2	655.5
37.5°	559.8	573.0	601.0	626.2	635.5
40°	535.8	549.1	578.4	606.3	615.6
42.5°	513.2	526.5	555.8	585.0	595.7
45°	488.0	502.6	531.8	561.1	573.0
47.5°	462.7	477.3	507.9	538.5	550.4
50°	437.4	453.4	482.6	513.2	526.5
52.5°	412.2	428.1	457.4	489.3	502.6
55°	386.9	404.2	430.8	462.7	478.6
57.5°	361.6	378.9	405.5	438.8	454.7
60°	332.4	352.3	378.9	413.5	432.1
62.5°	307.1	324.4	351.0	386.9	409.5
65°	281.9	297.8	321.8	361.6	386.9
67.5°	255.3	272.6	295.2	332.4	367.0
70°	230.0	244.6	267.2	305.8	344.4
72.5°	203.4	218.1	239.3	279.2	321.8
75°	176.8	191.5	210.1	251.3	300.5
77.5°	152.9	164.9	182.2	222.0	275.2
80°	126.3	138.3	154.2	190.1	242.0
82.5°	102.4	113.0	126.3	158.2	199.4
85°	81.1	91.7	102.4	127.6	155.6
87.5°	65.1	73.1	83.8	102.4	121.0
90°	51.9	61.2	70.5	83.8	95.7
92.5°	47.9	55.8	63.8	74.5	82.4
95°	45.2	51.9	59.8	67.8	73.1
97.5°	42.5	49.2	55.8	63.8	67.8
100°	41.2	46.5	53.2	59.8	62.5
102.5°	39.9	43.9	50.5	55.8	59.8
105°	38.6	42.5	47.9	53.2	55.8
107.5°	35.9	39.9	45.2	50.5	53.2
110°	34.6	37.2	42.5	46.5	50.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	33.2	35.9	39.9	43.9	46.5
115°	30.6	33.2	37.2	39.9	42.5
117.5°	29.3	30.6	34.6	35.9	38.6
120°	26.6	27.9	31.9	33.2	34.6
122.5°	23.9	25.3	29.3	29.3	31.9
125°	22.6	22.6	26.6	26.6	27.9
127.5°	21.3	21.3	23.9	23.9	25.3
130°	18.6	18.6	21.3	21.3	21.3
132.5°	17.3	16.0	18.6	18.6	19.9
135°	16.0	14.6	16.0	16.0	17.3
137.5°	13.3	13.3	14.6	13.3	14.6
140°	12.0	10.6	12.0	12.0	13.3
142.5°	10.6	9.3	10.6	9.3	10.6
145°	9.3	8.0	8.0	8.0	9.3
147.5°	8.0	6.6	6.6	6.6	8.0
150°	6.6	5.3	5.3	5.3	6.6
152.5°	5.3	4.0	2.7	4.0	5.3
155°	4.0	4.0	1.3	2.7	4.0
157.5°	2.7	2.7	0.0	1.3	2.7
160°	1.3	1.3	0.0	1.3	1.3
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)