

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: P384236

Luminaire Tested: **14ID-35-L840-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384236
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-35-L840-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

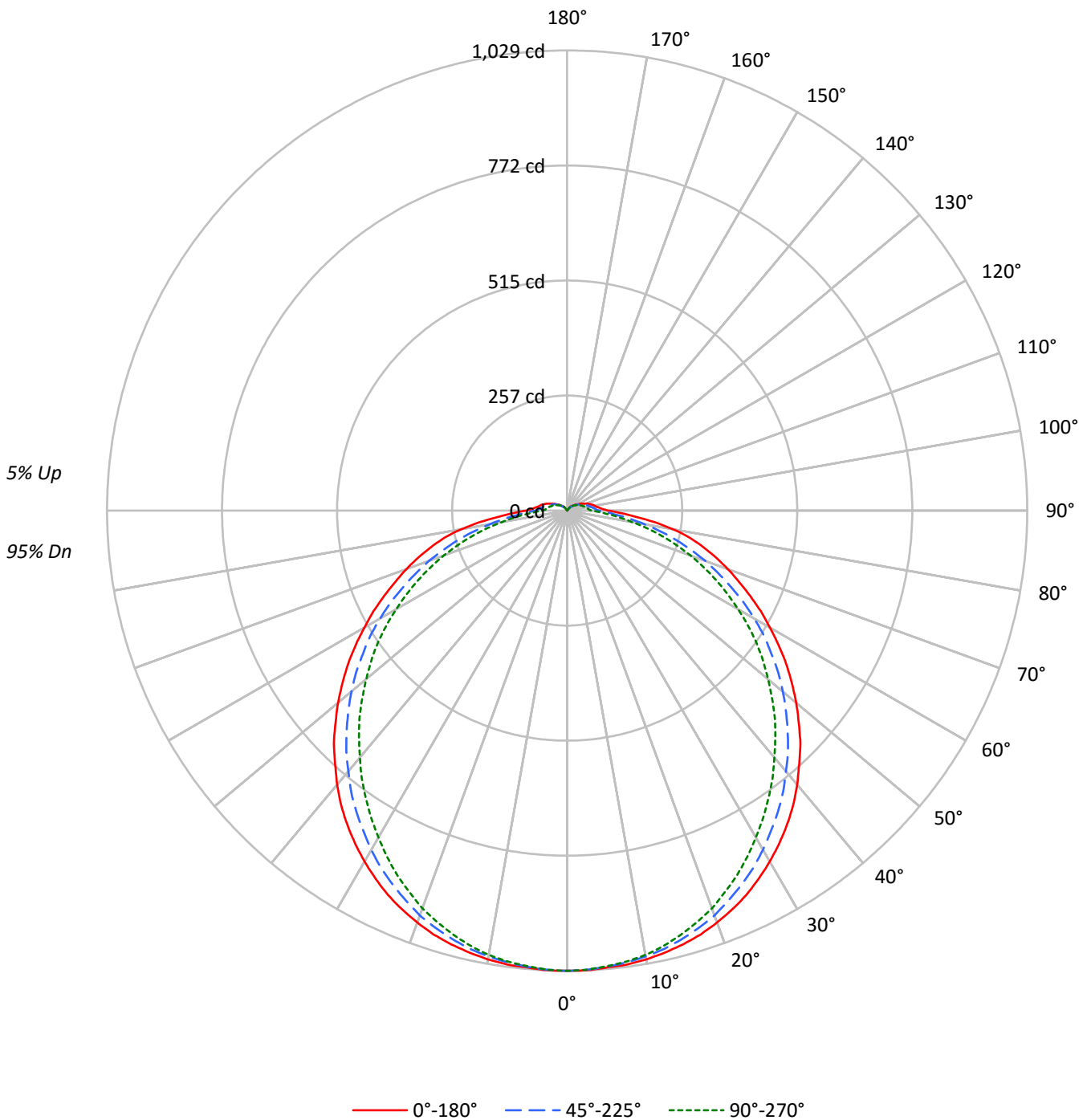
Lumens per Lamp: N/A
Luminaire Lumens: 3337.8 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 28.5
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°	2769	2769	2769
5°	2761	2731	2722
10°	2764	2696	2678
15°	2766	2659	2619
20°	2765	2618	2556
25°	2762	2564	2478
30°	2750	2508	2392
35°	2736	2448	2309
40°	2715	2380	2222
45°	2695	2313	2143
50°	2667	2243	2047
55°	2648	2161	1960
60°	2629	2073	1843
65°	2638	1956	1722
70°	2699	1839	1582
75°	2834	1684	1404
80°	3020	1479	1181
85°	3171	1279	967



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	2.9
10°-20°	280.1	8.4
20°-30°	425.4	12.7
30°-40°	513.8	15.4
40°-50°	537.8	16.1
50°-60°	499.0	15.0
60°-70°	404.2	12.1
70°-80°	272.8	8.2
80°-90°	131.8	3.9
90°-100°	66.3	2.0
100°-110°	48.2	1.4
110°-120°	32.2	1.0
120°-130°	18.7	0.6
130°-140°	9.4	0.3
140°-150°	0.7	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	802.9	24.1
0°-40°	1316.7	39.4
0°-60°	2353.5	70.5
0°-90°	3162.3	94.7
90°-120°	146.7	4.4
90°-150°	175.5	5.3
90°-180°	175.0	5.2
0°-180°	3337.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1029	1029	1029	1029	1029	
5°	1026	1024	1024	1022	1022	98
15°	1004	999	992	985	982	284
25°	948	940	923	906	899	437
35°	857	846	822	797	785	536
45°	738	724	697	669	657	568
55°	598	584	558	531	517	534
65°	451	434	404	382	367	448
75°	315	283	251	232	219	332
85°	152	131	111	101	91	143
90°	91	82	71	64	54	52
95°	72	67	61	54	47	57
105°	54	50	46	40	37	58
115°	37	34	34	29	29	37
125°	24	20	22	18	20	21
135°	14	12	12	12	14	11
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°	1029.1	1029.1	1029.1	1029.1	1029.1
2.5°	1029.1	1027.4	1027.4	1027.4	1027.4
5°	1025.7	1024.1	1024.1	1022.4	1022.4
7.5°	1024.1	1020.7	1019.0	1017.3	1017.3
10°	1019.0	1015.6	1012.3	1008.9	1008.9
12.5°	1012.3	1008.9	1003.8	997.1	997.1
15°	1003.8	998.8	992.1	985.3	981.9
17.5°	993.7	988.7	978.6	968.5	965.1
20°	980.3	973.5	963.4	949.9	946.6
22.5°	965.1	958.4	943.2	929.7	923.0
25°	948.3	939.8	923.0	906.2	899.4
27.5°	928.0	919.6	901.1	880.9	872.5
30°	906.2	896.0	875.8	853.9	843.8
32.5°	882.6	870.8	848.9	825.3	815.2
35°	857.3	845.5	821.9	796.7	784.9
37.5°	830.4	818.6	793.3	766.4	754.6
40°	800.0	788.3	761.3	734.4	720.9
42.5°	768.0	757.9	731.0	702.4	688.9
45°	737.7	724.2	697.3	668.7	656.9
47.5°	702.4	692.2	663.6	635.0	621.5
50°	668.7	656.9	629.9	601.3	586.1
52.5°	633.3	623.2	594.6	565.9	552.4
55°	597.9	584.5	557.5	530.6	517.1
57.5°	560.9	549.1	522.1	496.9	480.0
60°	523.8	512.0	483.4	459.8	441.3
62.5°	488.4	475.0	444.7	419.4	404.2
65°	451.4	434.5	404.2	382.3	367.2
67.5°	416.0	395.8	365.5	345.3	330.1
70°	382.3	358.8	328.4	308.2	293.1
72.5°	348.6	320.0	288.0	269.5	256.0
75°	315.0	283.0	251.0	232.4	219.0
77.5°	281.3	244.2	212.2	197.1	183.6
80°	240.9	205.5	175.2	161.7	148.2
82.5°	195.4	166.7	141.5	128.0	117.9
85°	151.6	131.4	111.2	101.1	91.0
87.5°	117.9	102.7	87.6	79.2	70.7
90°	91.0	82.5	70.7	64.0	53.9
92.5°	79.2	72.4	64.0	57.3	48.8
95°	72.4	67.4	60.6	53.9	47.2
97.5°	65.7	62.3	55.6	50.5	43.8
100°	62.3	57.3	52.2	47.2	42.1
102.5°	59.0	53.9	48.8	43.8	40.4
105°	53.9	50.5	45.5	40.4	37.1
107.5°	50.5	45.5	42.1	37.1	35.4
110°	45.5	42.1	38.7	35.4	33.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	40.4	38.7	35.4	32.0	30.3
115°	37.1	33.7	33.7	28.6	28.6
117.5°	33.7	30.3	30.3	26.9	26.9
120°	28.6	26.9	26.9	23.6	23.6
122.5°	25.3	23.6	23.6	21.9	21.9
125°	23.6	20.2	21.9	18.5	20.2
127.5°	20.2	18.5	18.5	16.8	18.5
130°	16.8	15.2	15.2	15.2	16.8
132.5°	15.2	13.5	13.5	13.5	15.2
135°	13.5	11.8	11.8	11.8	13.5
137.5°	11.8	10.1	8.4	10.1	11.8
140°	10.1	8.4	6.7	8.4	10.1
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)