

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: P384239

Luminaire Tested: **14ID-40-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384239
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-40-L835-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

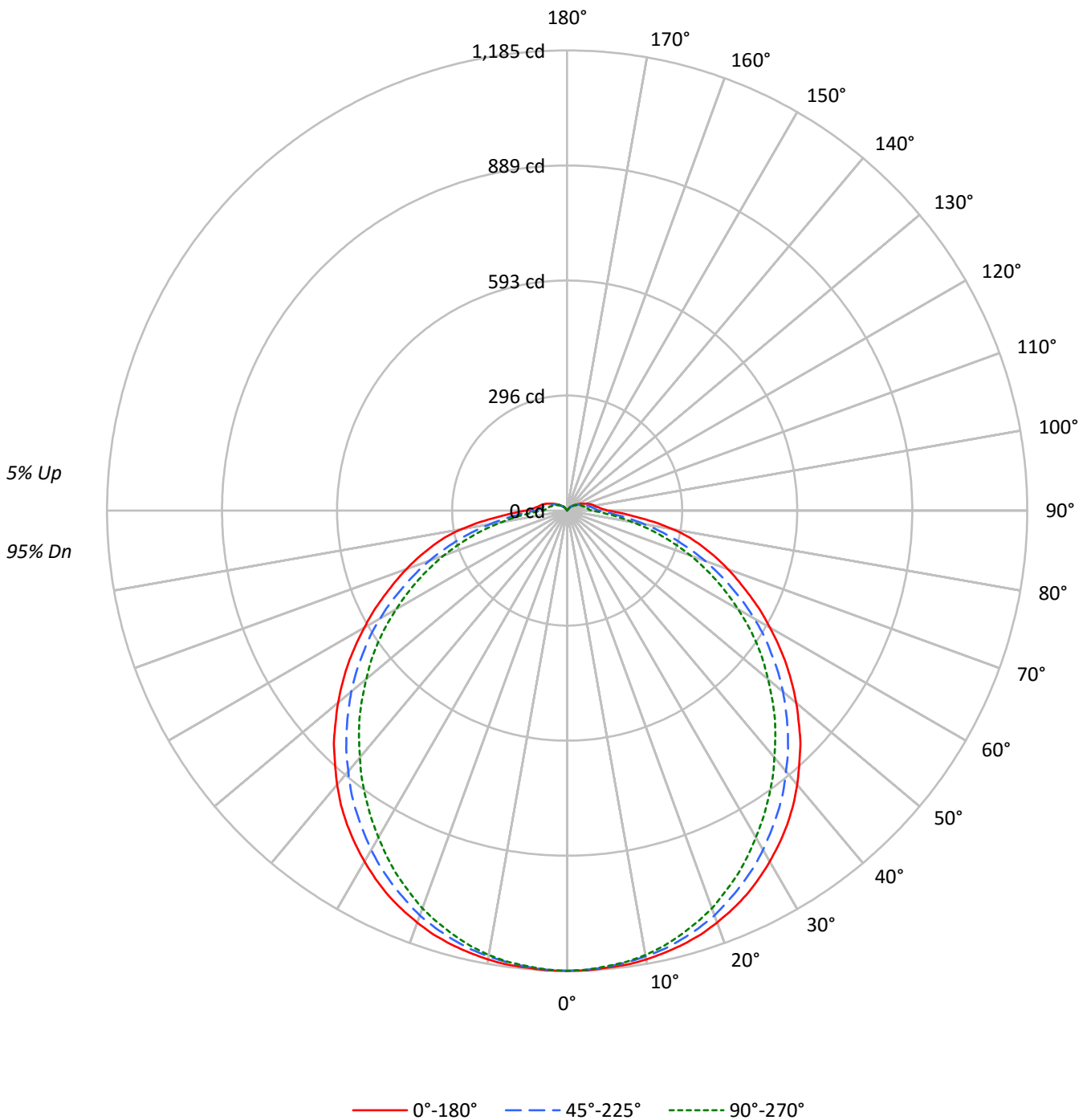
Lumens per Lamp: N/A
Luminaire Lumens: 3844.5 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 33.4
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	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°	3190	3190	3190
5°	3180	3146	3135
10°	3184	3105	3085
15°	3185	3063	3016
20°	3185	3016	2944
25°	3181	2954	2854
30°	3167	2889	2755
35°	3152	2819	2659
40°	3128	2742	2559
45°	3104	2664	2468
50°	3072	2584	2358
55°	3050	2489	2257
60°	3028	2387	2123
65°	3039	2253	1984
70°	3109	2119	1822
75°	3264	1939	1617
80°	3477	1704	1360
85°	3652	1473	1114



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.2	2.9
10°-20°	322.6	8.4
20°-30°	490.0	12.7
30°-40°	591.8	15.4
40°-50°	619.5	16.1
50°-60°	574.8	15.0
60°-70°	465.6	12.1
70°-80°	314.2	8.2
80°-90°	151.8	3.9
90°-100°	76.4	2.0
100°-110°	55.5	1.4
110°-120°	37.1	1.0
120°-130°	21.5	0.6
130°-140°	10.8	0.3
140°-150°	0.8	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	924.8	24.1
0°-40°	1516.6	39.4
0°-60°	2710.8	70.5
0°-90°	3642.4	94.7
90°-120°	169.0	4.4
90°-150°	202.1	5.3
90°-180°	202.0	5.3
0°-180°	3844.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1185	1185	1185	1185	1185	
5°	1182	1180	1180	1178	1178	113
15°	1156	1150	1143	1135	1131	327
25°	1092	1082	1063	1044	1036	503
35°	988	974	947	918	904	618
45°	850	834	803	770	757	655
55°	689	673	642	611	596	616
65°	520	500	466	440	423	516
75°	363	326	289	268	252	382
85°	175	151	128	116	105	165
90°	105	95	82	74	62	60
95°	83	78	70	62	54	66
105°	62	58	52	47	43	66
115°	43	39	39	33	33	42
125°	27	23	25	21	23	24
135°	16	14	14	14	16	12
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°	1185.3	1185.3	1185.3	1185.3	1185.3
2.5°	1185.3	1183.4	1183.4	1183.4	1183.4
5°	1181.5	1179.5	1179.5	1177.6	1177.6
7.5°	1179.5	1175.6	1173.7	1171.8	1171.8
10°	1173.7	1169.8	1165.9	1162.1	1162.1
12.5°	1165.9	1162.1	1156.2	1148.5	1148.5
15°	1156.2	1150.4	1142.7	1134.9	1131.0
17.5°	1144.6	1138.8	1127.1	1115.5	1111.6
20°	1129.1	1121.3	1109.7	1094.2	1090.3
22.5°	1111.6	1103.9	1086.4	1070.9	1063.1
25°	1092.2	1082.5	1063.1	1043.7	1036.0
27.5°	1068.9	1059.2	1037.9	1014.6	1004.9
30°	1043.7	1032.1	1008.8	983.6	971.9
32.5°	1016.6	1003.0	977.8	950.6	939.0
35°	987.5	973.9	946.7	917.6	904.0
37.5°	956.4	942.8	913.7	882.7	869.1
40°	921.5	907.9	876.9	845.8	830.3
42.5°	884.6	873.0	842.0	809.0	793.5
45°	849.7	834.2	803.2	770.2	756.6
47.5°	809.0	797.3	764.4	731.4	715.9
50°	770.2	756.6	725.6	692.6	675.1
52.5°	729.4	717.8	684.8	651.8	636.3
55°	688.7	673.2	642.1	611.1	595.6
57.5°	646.0	632.4	601.4	572.3	552.9
60°	603.3	589.8	556.8	529.6	508.3
62.5°	562.6	547.1	512.2	483.1	465.6
65°	519.9	500.5	465.6	440.4	422.9
67.5°	479.2	455.9	421.0	397.7	380.2
70°	440.4	413.2	378.3	355.0	337.6
72.5°	401.6	368.6	331.7	310.4	294.9
75°	362.8	325.9	289.1	267.7	252.2
77.5°	324.0	281.3	244.4	227.0	211.5
80°	277.4	236.7	201.8	186.2	170.7
82.5°	225.0	192.1	163.0	147.4	135.8
85°	174.6	151.3	128.0	116.4	104.8
87.5°	135.8	118.3	100.9	91.2	81.5
90°	104.8	95.1	81.5	73.7	62.1
92.5°	91.2	83.4	73.7	66.0	56.3
95°	83.4	77.6	69.8	62.1	54.3
97.5°	75.7	71.8	64.0	58.2	50.4
100°	71.8	66.0	60.1	54.3	48.5
102.5°	67.9	62.1	56.3	50.4	46.6
105°	62.1	58.2	52.4	46.6	42.7
107.5°	58.2	52.4	48.5	42.7	40.7
110°	52.4	48.5	44.6	40.7	38.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	46.6	44.6	40.7	36.9	34.9
115°	42.7	38.8	38.8	33.0	33.0
117.5°	38.8	34.9	34.9	31.0	31.0
120°	33.0	31.0	31.0	27.2	27.2
122.5°	29.1	27.2	27.2	25.2	25.2
125°	27.2	23.3	25.2	21.3	23.3
127.5°	23.3	21.3	21.3	19.4	21.3
130°	19.4	17.5	17.5	17.5	19.4
132.5°	17.5	15.5	15.5	15.5	17.5
135°	15.5	13.6	13.6	13.6	15.5
137.5°	13.6	11.6	9.7	11.6	13.6
140°	11.6	9.7	7.8	9.7	11.6
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)