

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: P384122

Luminaire Tested: **22ID-35-L830-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-35-L830-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

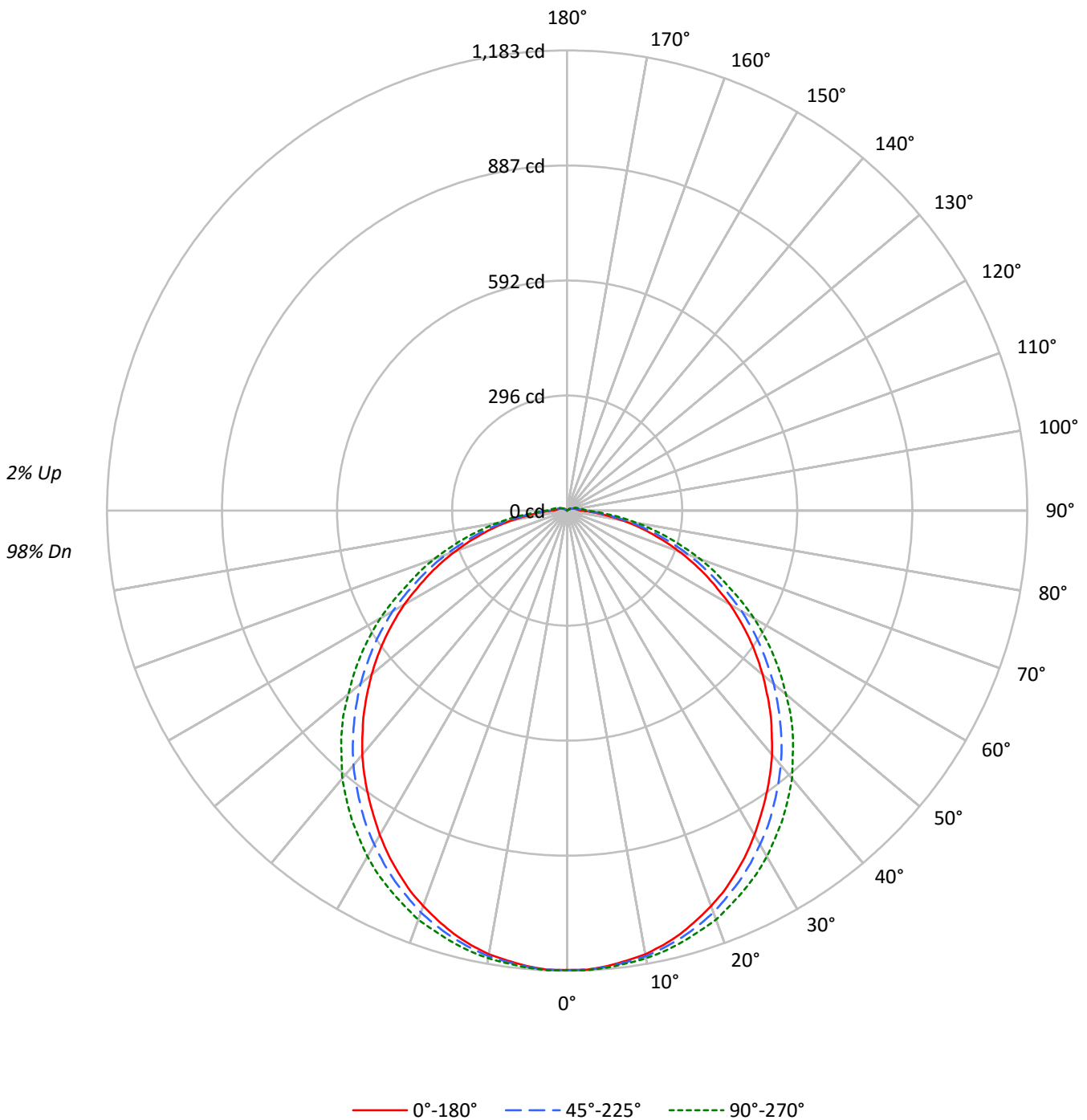
Lumens per Lamp: N/A
Luminaire Lumens: 3498.2 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (A_{in}): 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	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3179	3179	3179
5°	3165	3165	3174
10°	3141	3146	3170
15°	3103	3118	3162
20°	3052	3083	3157
25°	2991	3034	3135
30°	2922	2979	3116
35°	2848	2921	3085
40°	2781	2861	3052
45°	2702	2785	3000
50°	2617	2712	2928
55°	2529	2625	2866
60°	2431	2529	2787
65°	2301	2386	2654
70°	2153	2246	2567
75°	1979	2056	2426
80°	1779	1833	2268
85°	1596	1637	2152



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	3.2
10°-20°	320.7	9.2
20°-30°	484.1	13.8
30°-40°	580.1	16.6
40°-50°	599.7	17.1
50°-60°	543.1	15.5
60°-70°	420.3	12.0
70°-80°	258.2	7.4
80°-90°	102.6	2.9
90°-100°	37.4	1.1
100°-110°	23.0	0.7
110°-120°	11.8	0.3
120°-130°	5.0	0.1
130°-140°	0.3	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°	916.7	26.2
0°-40°	1496.7	42.8
0°-60°	2639.6	75.5
0°-90°	3420.6	97.8
90°-120°	72.2	2.1
90°-150°	77.6	2.2
90°-180°	78.0	2.2
0°-180°	3498.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1181	1181	1181	1181	1181	
5°	1176	1176	1178	1178	1179	112
15°	1126	1128	1137	1144	1148	317
25°	1027	1034	1050	1068	1076	473
35°	892	903	926	951	967	559
45°	740	748	775	807	821	570
55°	571	584	606	633	647	510
65°	394	403	422	443	454	389
75°	220	231	241	257	270	234
85°	76	82	89	98	103	76
90°	36	41	44	50	53	21
95°	27	30	34	37	41	21
105°	20	20	21	23	25	21
115°	12	11	11	12	14	13
125°	7	5	4	5	7	7
135°	0	0	0	0	0	1
145°	0	0	0	0	0	0
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°	1181.2	1181.2	1181.2	1181.2	1181.2
2.5°	1181.2	1179.4	1181.2	1181.2	1182.9
5°	1175.8	1175.8	1177.6	1177.6	1179.4
7.5°	1167.0	1167.0	1170.5	1172.3	1174.1
10°	1158.1	1158.1	1163.4	1165.2	1168.7
12.5°	1143.9	1145.7	1151.0	1156.3	1159.9
15°	1126.2	1127.9	1136.8	1143.9	1147.5
17.5°	1104.9	1108.4	1119.1	1129.7	1133.3
20°	1081.8	1087.2	1099.6	1112.0	1119.1
22.5°	1057.0	1060.6	1074.7	1090.7	1097.8
25°	1026.9	1034.0	1049.9	1067.6	1076.5
27.5°	996.7	1003.8	1021.5	1042.8	1053.5
30°	963.0	970.1	991.4	1014.4	1026.9
32.5°	927.5	936.4	961.2	984.3	996.7
35°	892.1	902.7	925.8	950.6	966.6
37.5°	856.6	865.5	890.3	916.9	932.9
40°	819.4	828.2	854.8	881.4	899.2
42.5°	778.6	789.2	815.8	844.2	858.4
45°	739.6	748.4	775.0	806.9	821.1
47.5°	697.0	709.4	734.2	764.4	780.3
50°	656.2	666.8	693.4	721.8	734.2
52.5°	613.6	624.3	649.1	677.5	691.7
55°	571.1	583.5	606.5	633.1	647.3
57.5°	526.7	539.1	562.2	585.3	601.2
60°	484.2	496.6	517.9	540.9	555.1
62.5°	436.3	446.9	470.0	494.8	505.4
65°	393.7	402.6	422.1	443.4	454.0
67.5°	349.4	360.0	377.8	397.3	409.7
70°	305.0	317.5	331.6	349.4	363.6
72.5°	262.5	273.1	285.5	303.3	315.7
75°	219.9	230.6	241.2	257.2	269.6
77.5°	182.7	188.0	198.6	212.8	225.2
80°	141.9	149.0	157.8	172.0	180.9
82.5°	106.4	113.5	120.6	131.2	140.1
85°	76.3	81.6	88.7	97.5	102.9
87.5°	51.4	56.8	62.1	69.2	74.5
90°	35.5	40.8	44.3	49.7	53.2
92.5°	30.1	33.7	37.2	40.8	44.3
95°	26.6	30.1	33.7	37.2	40.8
97.5°	24.8	26.6	30.1	33.7	35.5
100°	23.1	24.8	26.6	30.1	31.9
102.5°	21.3	21.3	24.8	26.6	28.4
105°	19.5	19.5	21.3	23.1	24.8
107.5°	17.7	17.7	19.5	19.5	23.1
110°	16.0	14.2	16.0	16.0	19.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	14.2	12.4	14.2	14.2	16.0
115°	12.4	10.6	10.6	12.4	14.2
117.5°	10.6	8.9	8.9	8.9	12.4
120°	10.6	8.9	7.1	7.1	10.6
122.5°	8.9	7.1	5.3	7.1	8.9
125°	7.1	5.3	3.5	5.3	7.1
127.5°	5.3	5.3	1.8	3.5	5.3
130°	5.3	3.5	1.8	3.5	3.5
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)