

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: P384126

Luminaire Tested: **22ID-40-L830-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384126
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-40-L830-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

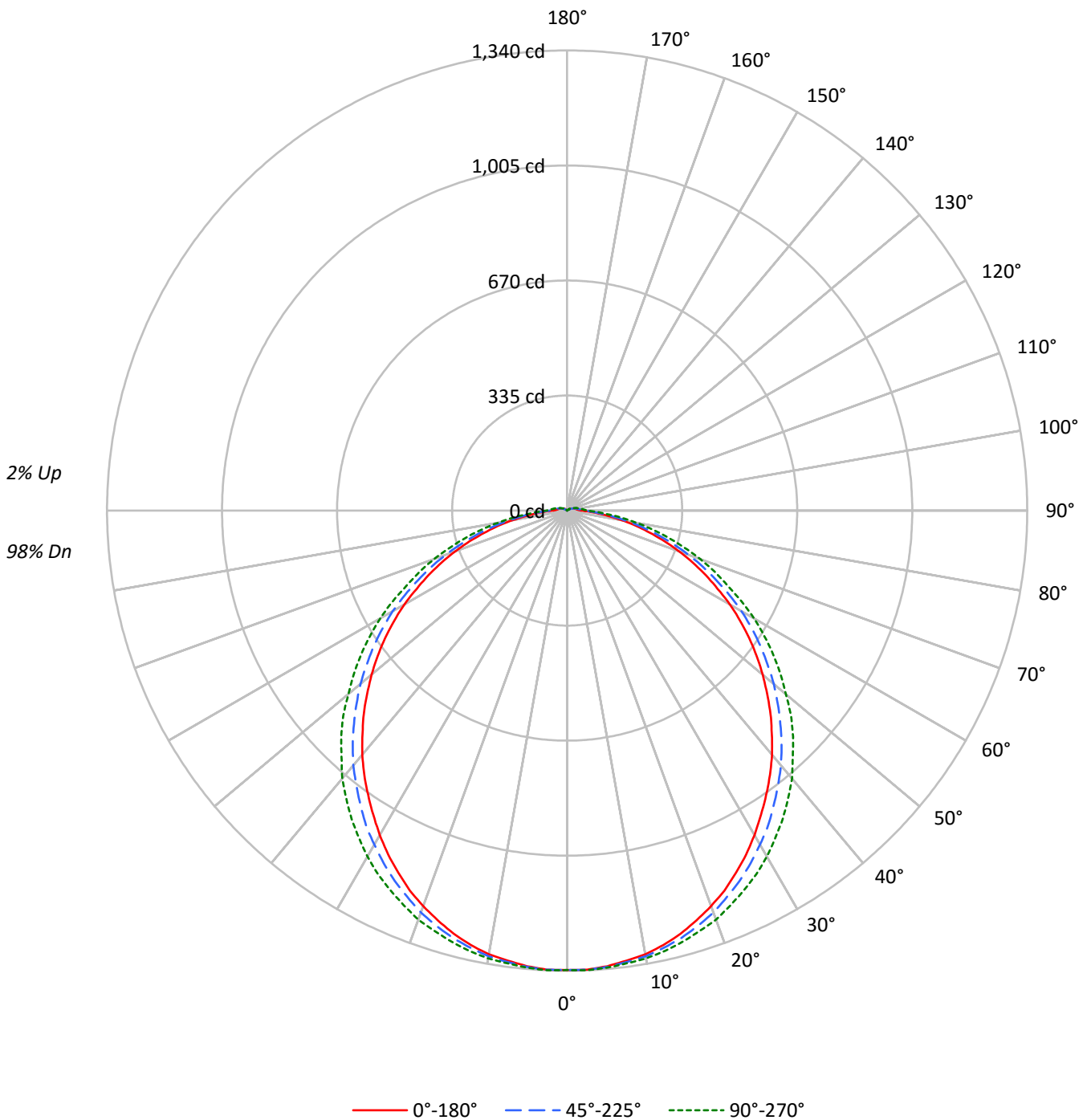
Lumens per Lamp: N/A
Luminaire Lumens: 3962.8 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 32.5
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°	3601	3601	3601
5°	3585	3585	3596
10°	3559	3564	3591
15°	3515	3532	3581
20°	3457	3492	3576
25°	3388	3437	3552
30°	3310	3375	3530
35°	3226	3309	3495
40°	3150	3242	3457
45°	3061	3155	3398
50°	2965	3073	3317
55°	2865	2973	3247
60°	2753	2865	3156
65°	2607	2703	3006
70°	2440	2544	2908
75°	2242	2329	2748
80°	2014	2077	2569
85°	1807	1854	2437



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	3.2
10°-20°	363.3	9.2
20°-30°	548.4	13.8
30°-40°	657.1	16.6
40°-50°	679.4	17.1
50°-60°	615.2	15.5
60°-70°	476.1	12.0
70°-80°	292.4	7.4
80°-90°	116.2	2.9
90°-100°	42.4	1.1
100°-110°	26.0	0.7
110°-120°	13.4	0.3
120°-130°	5.7	0.1
130°-140°	0.4	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°	1038.4	26.2
0°-40°	1695.5	42.8
0°-60°	2990.1	75.5
0°-90°	3874.9	97.8
90°-120°	81.9	2.1
90°-150°	87.9	2.2
90°-180°	88.0	2.2
0°-180°	3962.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1338	1338	1338	1338	1338	
5°	1332	1332	1334	1334	1336	126
15°	1276	1278	1288	1296	1300	360
25°	1163	1171	1189	1209	1220	536
35°	1010	1023	1049	1077	1095	633
45°	838	848	878	914	930	646
55°	647	661	687	717	733	578
65°	446	456	478	502	514	441
75°	249	261	273	291	305	265
85°	86	92	100	110	116	86
90°	40	46	50	56	60	24
95°	30	34	38	42	46	24
105°	22	22	24	26	28	23
115°	14	12	12	14	16	14
125°	8	6	4	6	8	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°	1338.0	1338.0	1338.0	1338.0	1338.0
2.5°	1338.0	1336.0	1338.0	1338.0	1340.0
5°	1332.0	1332.0	1334.0	1334.0	1336.0
7.5°	1322.0	1322.0	1326.0	1328.0	1330.0
10°	1311.9	1311.9	1317.9	1319.9	1324.0
12.5°	1295.8	1297.8	1303.9	1309.9	1313.9
15°	1275.7	1277.8	1287.8	1295.8	1299.9
17.5°	1251.6	1255.7	1267.7	1279.8	1283.8
20°	1225.5	1231.5	1245.6	1259.7	1267.7
22.5°	1197.4	1201.4	1217.5	1235.6	1243.6
25°	1163.2	1171.3	1189.4	1209.4	1219.5
27.5°	1129.1	1137.1	1157.2	1181.3	1193.4
30°	1090.9	1098.9	1123.1	1149.2	1163.2
32.5°	1050.7	1060.8	1088.9	1115.0	1129.1
35°	1010.5	1022.6	1048.7	1076.8	1094.9
37.5°	970.4	980.4	1008.5	1038.7	1056.8
40°	928.2	938.2	968.4	998.5	1018.6
42.5°	882.0	894.0	924.2	956.3	972.4
45°	837.8	847.8	878.0	914.1	930.2
47.5°	789.6	803.6	831.7	865.9	884.0
50°	743.3	755.4	785.5	817.7	831.7
52.5°	695.1	707.2	735.3	767.5	783.5
55°	646.9	661.0	687.1	717.2	733.3
57.5°	596.7	610.7	636.9	663.0	681.1
60°	548.5	562.5	586.6	612.8	628.8
62.5°	494.2	506.3	532.4	560.5	572.6
65°	446.0	456.1	478.2	502.3	514.3
67.5°	395.8	407.8	427.9	450.0	464.1
70°	345.6	359.6	375.7	395.8	411.9
72.5°	297.3	309.4	323.5	343.5	357.6
75°	249.1	261.2	273.2	291.3	305.4
77.5°	206.9	213.0	225.0	241.1	255.1
80°	160.7	168.8	178.8	194.9	204.9
82.5°	120.5	128.6	136.6	148.7	158.7
85°	86.4	92.4	100.5	110.5	116.5
87.5°	58.3	64.3	70.3	78.4	84.4
90°	40.2	46.2	50.2	56.3	60.3
92.5°	34.2	38.2	42.2	46.2	50.2
95°	30.1	34.2	38.2	42.2	46.2
97.5°	28.1	30.1	34.2	38.2	40.2
100°	26.1	28.1	30.1	34.2	36.2
102.5°	24.1	24.1	28.1	30.1	32.1
105°	22.1	22.1	24.1	26.1	28.1
107.5°	20.1	20.1	22.1	22.1	26.1
110°	18.1	16.1	18.1	18.1	22.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	16.1	14.1	16.1	16.1	18.1
115°	14.1	12.1	12.1	14.1	16.1
117.5°	12.1	10.0	10.0	10.0	14.1
120°	12.1	10.0	8.0	8.0	12.1
122.5°	10.0	8.0	6.0	8.0	10.0
125°	8.0	6.0	4.0	6.0	8.0
127.5°	6.0	6.0	2.0	4.0	6.0
130°	6.0	4.0	2.0	4.0	4.0
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)