

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: P384294

Luminaire Tested: **22ID-40-L830-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384294
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: 22ID-40-L830-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

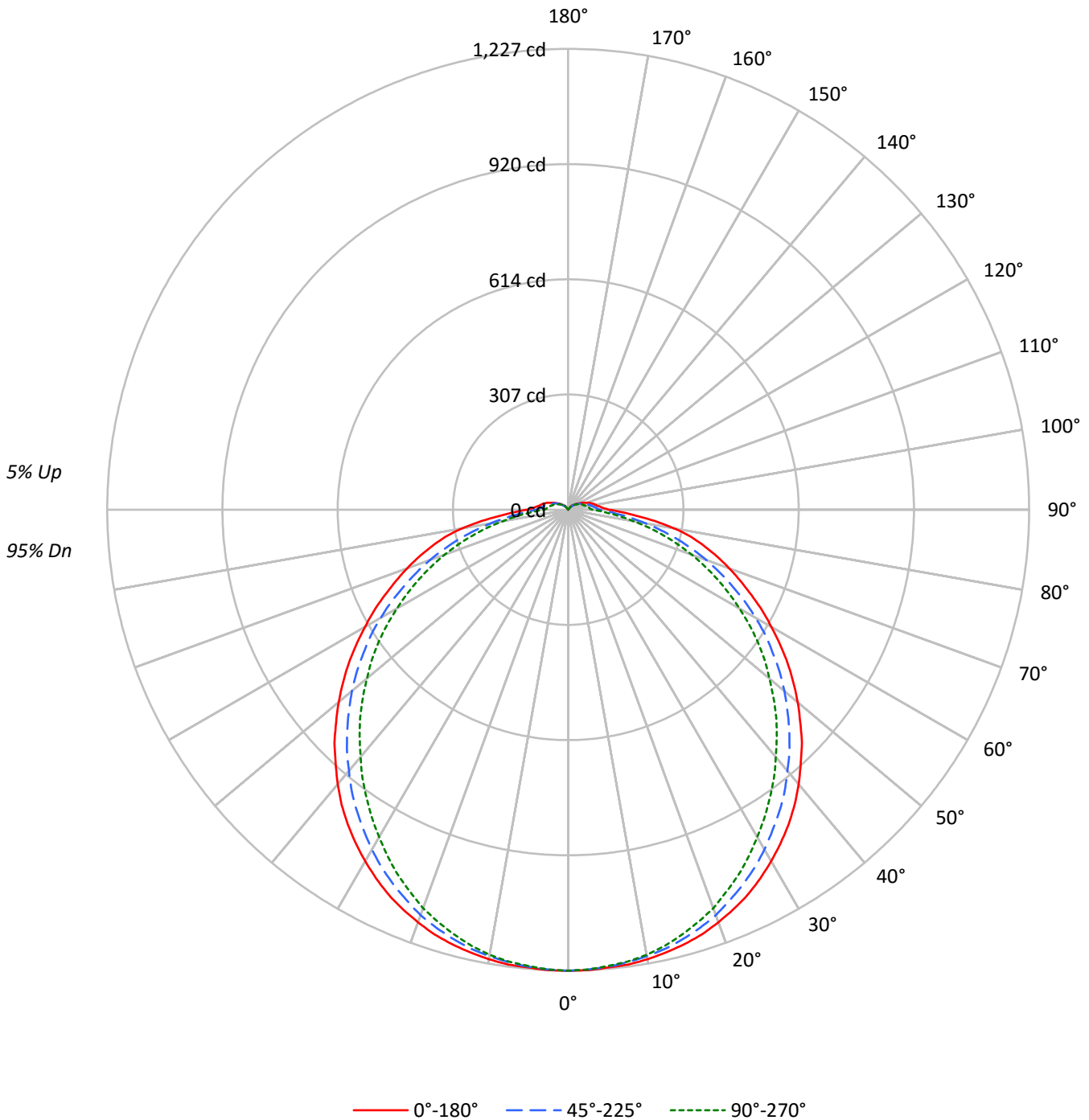
Lumens per Lamp: N/A
Luminaire Lumens: 3980.9 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32.5
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°	3303	3303	3303
5°	3281	3266	3270
10°	3273	3232	3240
15°	3263	3195	3191
20°	3249	3155	3138
25°	3233	3098	3066
30°	3204	3039	2984
35°	3174	2975	2906
40°	3133	2903	2823
45°	3091	2831	2752
50°	3037	2758	2662
55°	2990	2670	2586
60°	2938	2577	2475
65°	2908	2450	2366
70°	2919	2328	2238
75°	2979	2161	2071
80°	3023	1940	1861
85°	2859	1744	1716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.2	2.9
10°-20°	334.0	8.4
20°-30°	507.4	12.7
30°-40°	612.8	15.4
40°-50°	641.4	16.1
50°-60°	595.2	15.0
60°-70°	482.1	12.1
70°-80°	325.3	8.2
80°-90°	157.2	3.9
90°-100°	79.1	2.0
100°-110°	57.5	1.4
110°-120°	38.4	1.0
120°-130°	22.3	0.6
130°-140°	11.2	0.3
140°-150°	0.9	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	957.6	24.1
0°-40°	1570.4	39.4
0°-60°	2807.0	70.5
0°-90°	3771.6	94.7
90°-120°	175.0	4.4
90°-150°	209.3	5.3
90°-180°	209.0	5.3
0°-180°	3980.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1227	1227	1227	1227	1227	
5°	1223	1221	1221	1219	1219	117
15°	1197	1191	1183	1175	1171	338
25°	1131	1121	1101	1081	1073	521
35°	1022	1008	980	950	936	640
45°	880	864	832	798	783	678
55°	713	697	665	633	617	637
65°	538	518	482	456	438	534
75°	376	338	299	277	261	396
85°	181	157	133	120	108	171
90°	108	98	84	76	64	62
95°	86	80	72	64	56	68
105°	64	60	54	48	44	69
115°	44	40	40	34	34	44
125°	28	24	26	22	24	25
135°	16	14	14	14	16	13
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°	1227.4	1227.4	1227.4	1227.4	1227.4
2.5°	1227.4	1225.4	1225.4	1225.4	1225.4
5°	1223.4	1221.4	1221.4	1219.4	1219.4
7.5°	1221.4	1217.3	1215.3	1213.3	1213.3
10°	1215.3	1211.3	1207.3	1203.3	1203.3
12.5°	1207.3	1203.3	1197.3	1189.2	1189.2
15°	1197.3	1191.2	1183.2	1175.2	1171.1
17.5°	1185.2	1179.2	1167.1	1155.1	1151.1
20°	1169.1	1161.1	1149.0	1133.0	1129.0
22.5°	1151.1	1143.0	1124.9	1108.9	1100.8
25°	1131.0	1120.9	1100.8	1080.7	1072.7
27.5°	1106.9	1096.8	1074.7	1050.6	1040.6
30°	1080.7	1068.7	1044.6	1018.5	1006.4
32.5°	1052.6	1038.6	1012.4	984.3	972.3
35°	1022.5	1008.4	980.3	950.2	936.1
37.5°	990.3	976.3	946.2	914.0	899.9
40°	954.2	940.1	908.0	875.8	859.8
42.5°	916.0	904.0	871.8	837.7	821.6
45°	879.9	863.8	831.6	797.5	783.4
47.5°	837.7	825.6	791.5	757.3	741.3
50°	797.5	783.4	751.3	717.1	699.1
52.5°	755.3	743.3	709.1	675.0	658.9
55°	713.1	697.1	664.9	632.8	616.7
57.5°	668.9	654.9	622.7	592.6	572.5
60°	624.7	610.7	576.5	548.4	526.3
62.5°	582.6	566.5	530.3	500.2	482.1
65°	538.4	518.3	482.1	456.0	437.9
67.5°	496.2	472.1	435.9	411.8	393.7
70°	456.0	427.9	391.7	367.6	349.5
72.5°	415.8	381.7	343.5	321.4	305.3
75°	375.6	337.5	299.3	277.2	261.1
77.5°	335.5	291.3	253.1	235.0	219.0
80°	287.3	245.1	208.9	192.8	176.8
82.5°	233.0	198.9	168.7	152.7	140.6
85°	180.8	156.7	132.6	120.5	108.5
87.5°	140.6	122.5	104.5	94.4	84.4
90°	108.5	98.4	84.4	76.3	64.3
92.5°	94.4	86.4	76.3	68.3	58.3
95°	86.4	80.4	72.3	64.3	56.2
97.5°	78.3	74.3	66.3	60.3	52.2
100°	74.3	68.3	62.3	56.2	50.2
102.5°	70.3	64.3	58.3	52.2	48.2
105°	64.3	60.3	54.2	48.2	44.2
107.5°	60.3	54.2	50.2	44.2	42.2
110°	54.2	50.2	46.2	42.2	40.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	48.2	46.2	42.2	38.2	36.2
115°	44.2	40.2	40.2	34.1	34.1
117.5°	40.2	36.2	36.2	32.1	32.1
120°	34.1	32.1	32.1	28.1	28.1
122.5°	30.1	28.1	28.1	26.1	26.1
125°	28.1	24.1	26.1	22.1	24.1
127.5°	24.1	22.1	22.1	20.1	22.1
130°	20.1	18.1	18.1	18.1	20.1
132.5°	18.1	16.1	16.1	16.1	18.1
135°	16.1	14.1	14.1	14.1	16.1
137.5°	14.1	12.1	10.0	12.1	14.1
140°	12.1	10.0	8.0	10.0	12.1
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)