

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: P384127

Luminaire Tested: **22ID-40-L835-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384127
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-L835-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

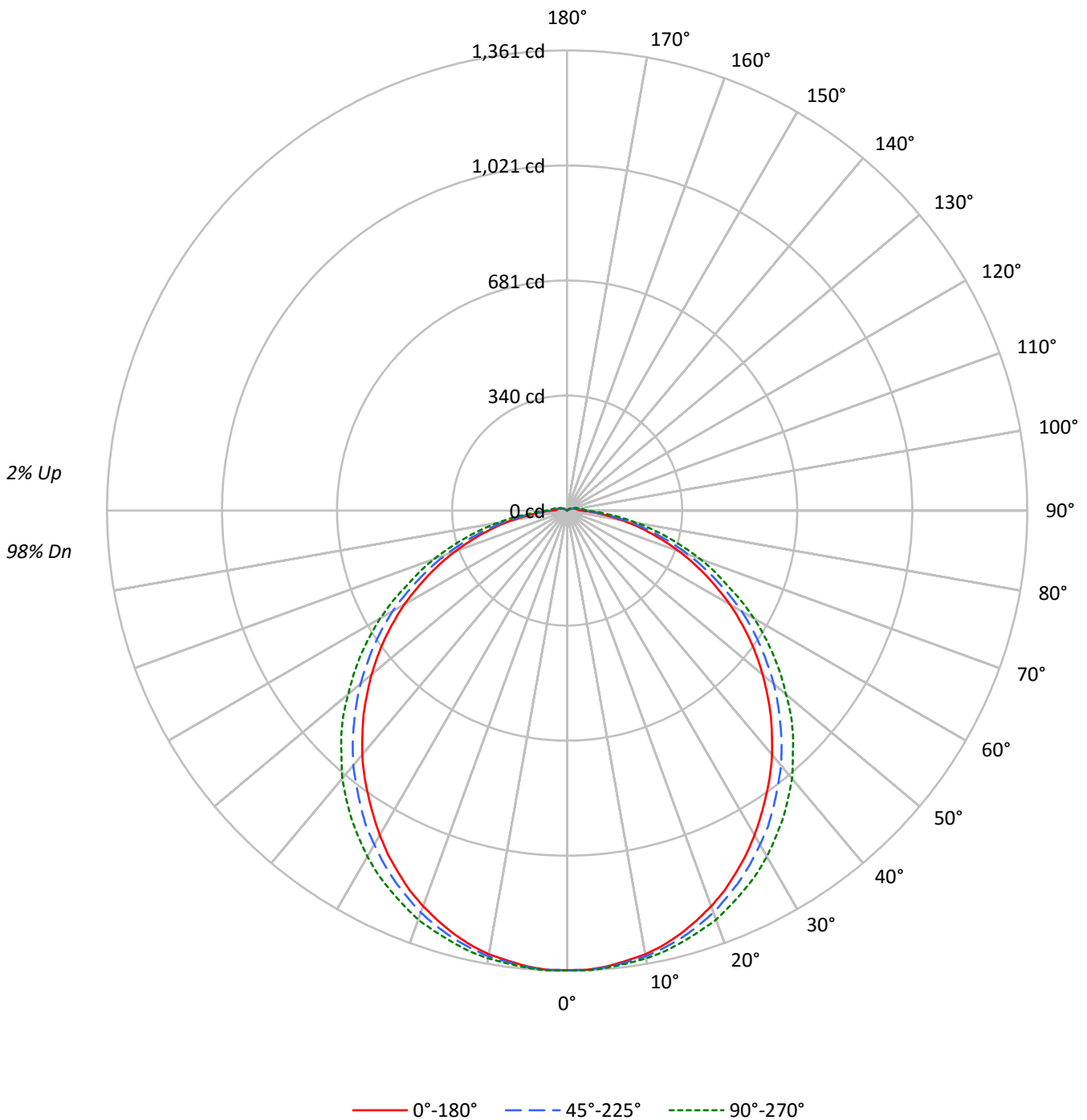
Lumens per Lamp: N/A
Luminaire Lumens: 4025.7 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

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°	3658	3658	3658
5°	3642	3642	3653
10°	3615	3621	3648
15°	3571	3588	3638
20°	3512	3548	3633
25°	3442	3491	3608
30°	3363	3428	3586
35°	3277	3361	3550
40°	3200	3293	3512
45°	3109	3205	3453
50°	3012	3122	3370
55°	2910	3021	3299
60°	2797	2911	3207
65°	2649	2746	3054
70°	2478	2585	2954
75°	2278	2366	2791
80°	2047	2110	2610
85°	1837	1882	2477



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	3.2
10°-20°	369.0	9.2
20°-30°	557.1	13.8
30°-40°	667.5	16.6
40°-50°	690.2	17.1
50°-60°	625.0	15.5
60°-70°	483.6	12.0
70°-80°	297.1	7.4
80°-90°	118.0	2.9
90°-100°	43.1	1.1
100°-110°	26.5	0.7
110°-120°	13.6	0.3
120°-130°	5.8	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°	1054.9	26.2
0°-40°	1722.4	42.8
0°-60°	3037.6	75.5
0°-90°	3936.4	97.8
90°-120°	83.1	2.1
90°-150°	89.3	2.2
90°-180°	89.0	2.2
0°-180°	4025.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1359	1359	1359	1359	1359	
5°	1353	1353	1355	1355	1357	128
15°	1296	1298	1308	1316	1320	365
25°	1182	1190	1208	1229	1239	545
35°	1027	1039	1065	1094	1112	643
45°	851	861	892	929	945	656
55°	657	672	698	729	745	587
65°	453	463	486	510	522	448
75°	253	265	278	296	310	270
85°	88	94	102	112	118	87
90°	41	47	51	57	61	24
95°	31	35	39	43	47	24
105°	22	22	24	26	29	24
115°	14	12	12	14	16	14
125°	8	6	4	6	8	8
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°	1359.3	1359.3	1359.3	1359.3	1359.3
2.5°	1359.3	1357.2	1359.3	1359.3	1361.3
5°	1353.1	1353.1	1355.2	1355.2	1357.2
7.5°	1342.9	1342.9	1347.0	1349.1	1351.1
10°	1332.7	1332.7	1338.9	1340.9	1345.0
12.5°	1316.4	1318.4	1324.6	1330.7	1334.8
15°	1296.0	1298.0	1308.2	1316.4	1320.5
17.5°	1271.5	1275.6	1287.8	1300.1	1304.2
20°	1245.0	1251.1	1265.4	1279.7	1287.8
22.5°	1216.4	1220.5	1236.8	1255.2	1263.3
25°	1181.7	1189.9	1208.2	1228.6	1238.8
27.5°	1147.0	1155.2	1175.6	1200.1	1212.3
30°	1108.2	1116.4	1140.9	1167.4	1181.7
32.5°	1067.4	1077.6	1106.2	1132.7	1147.0
35°	1026.6	1038.8	1065.4	1093.9	1112.3
37.5°	985.8	996.0	1024.5	1055.2	1073.5
40°	942.9	953.1	983.7	1014.3	1034.8
42.5°	896.0	908.2	938.8	971.5	987.8
45°	851.1	861.3	891.9	928.6	945.0
47.5°	802.1	816.4	844.9	879.6	898.0
50°	755.1	767.4	798.0	830.7	844.9
52.5°	706.2	718.4	747.0	779.6	796.0
55°	657.2	671.5	698.0	728.6	744.9
57.5°	606.2	620.4	647.0	673.5	691.9
60°	557.2	571.5	596.0	622.5	638.8
62.5°	502.1	514.3	540.8	569.4	581.7
65°	453.1	463.3	485.7	510.2	522.5
67.5°	402.1	414.3	434.7	457.2	471.5
70°	351.0	365.3	381.7	402.1	418.4
72.5°	302.1	314.3	328.6	349.0	363.3
75°	253.1	265.3	277.6	295.9	310.2
77.5°	210.2	216.3	228.6	244.9	259.2
80°	163.3	171.4	181.6	198.0	208.2
82.5°	122.5	130.6	138.8	151.0	161.2
85°	87.8	93.9	102.0	112.3	118.4
87.5°	59.2	65.3	71.4	79.6	85.7
90°	40.8	46.9	51.0	57.1	61.2
92.5°	34.7	38.8	42.9	46.9	51.0
95°	30.6	34.7	38.8	42.9	46.9
97.5°	28.6	30.6	34.7	38.8	40.8
100°	26.5	28.6	30.6	34.7	36.7
102.5°	24.5	24.5	28.6	30.6	32.7
105°	22.5	22.5	24.5	26.5	28.6
107.5°	20.4	20.4	22.5	22.5	26.5
110°	18.4	16.3	18.4	18.4	22.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	16.3	14.3	16.3	16.3	18.4
115°	14.3	12.2	12.2	14.3	16.3
117.5°	12.2	10.2	10.2	10.2	14.3
120°	12.2	10.2	8.2	8.2	12.2
122.5°	10.2	8.2	6.1	8.2	10.2
125°	8.2	6.1	4.1	6.1	8.2
127.5°	6.1	6.1	2.0	4.1	6.1
130°	6.1	4.1	2.0	4.1	4.1
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)