

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: P384636

Luminaire Tested: **22ID-45-L840-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-45-L840-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

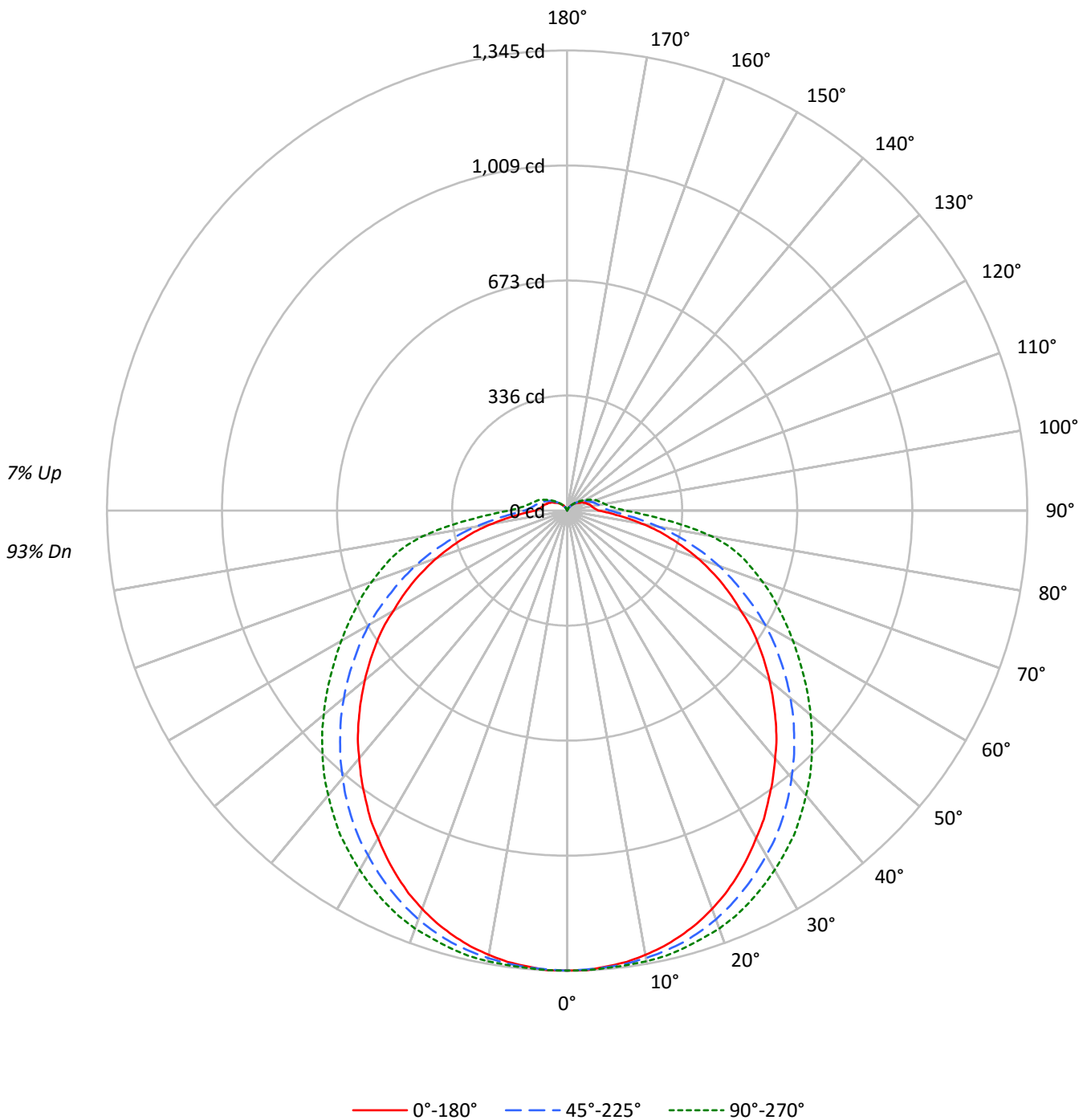
Lumens per Lamp: N/A
Luminaire Lumens: 4705.1 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 37.5
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3618	3618	3618
5°	3574	3564	3586
10°	3526	3519	3576
15°	3466	3477	3567
20°	3394	3422	3561
25°	3305	3353	3542
30°	3203	3282	3516
35°	3105	3210	3494
40°	3006	3122	3454
45°	2913	3035	3421
50°	2813	2945	3386
55°	2718	2848	3363
60°	2595	2756	3374
65°	2498	2622	3429
70°	2377	2497	3559
75°	2213	2322	3760
80°	2021	2106	3873
85°	1819	1847	3490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	2.7
10°-20°	368.4	7.8
20°-30°	562.9	12.0
30°-40°	685.2	14.6
40°-50°	724.2	15.4
50°-60°	683.6	14.5
60°-70°	575.1	12.2
70°-80°	414.6	8.8
80°-90°	218.7	4.6
90°-100°	117.1	2.5
100°-110°	88.9	1.9
110°-120°	64.5	1.4
120°-130°	40.5	0.9
130°-140°	21.9	0.5
140°-150°	9.6	0.2
150°-160°	2.5	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1058.8	22.5
0°-40°	1743.9	37.1
0°-60°	3151.7	67.0
0°-90°	4360.1	92.7
90°-120°	270.4	5.7
90°-150°	342.4	7.3
90°-180°	345.0	7.3
0°-180°	4705.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1345	1345	1345	1345	1345	
5°	1338	1338	1340	1340	1342	127
15°	1286	1291	1307	1316	1323	363
25°	1178	1192	1222	1251	1262	542
35°	1028	1051	1098	1140	1157	644
45°	861	887	939	990	1011	665
55°	683	713	760	817	845	610
65°	498	526	568	638	683	492
75°	312	338	371	444	530	331
85°	143	162	181	225	274	134
90°	92	108	124	148	169	52
95°	80	92	106	120	129	64
105°	68	75	84	94	99	71
115°	54	59	66	70	75	54
125°	40	40	47	47	49	36
135°	28	26	28	28	30	21
145°	16	14	14	14	16	10
155°	7	7	2	5	7	3
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°	1344.6	1344.6	1344.6	1344.6	1344.6
2.5°	1344.6	1342.2	1342.2	1342.2	1344.6
5°	1337.5	1337.5	1339.9	1339.9	1342.2
7.5°	1330.5	1330.5	1335.2	1337.5	1339.9
10°	1318.7	1321.1	1328.1	1332.8	1337.5
12.5°	1304.7	1307.0	1318.7	1328.1	1332.8
15°	1285.9	1290.6	1307.0	1316.4	1323.4
17.5°	1264.8	1271.8	1290.6	1304.7	1311.7
20°	1239.0	1248.3	1271.8	1290.6	1300.0
22.5°	1210.8	1220.2	1248.3	1271.8	1283.5
25°	1177.9	1192.0	1222.5	1250.7	1262.4
27.5°	1142.8	1159.2	1194.4	1227.2	1239.0
30°	1105.2	1124.0	1163.9	1199.1	1213.1
32.5°	1070.0	1088.8	1133.4	1170.9	1185.0
35°	1027.8	1051.2	1098.2	1140.4	1156.8
37.5°	987.9	1011.3	1060.6	1105.2	1121.6
40°	945.6	969.1	1020.7	1070.0	1086.4
42.5°	905.8	929.2	980.8	1032.5	1051.2
45°	861.2	887.0	938.6	990.2	1011.3
47.5°	816.6	842.4	896.4	950.3	971.5
50°	772.0	800.2	851.8	905.8	929.2
52.5°	727.4	755.6	807.2	863.5	887.0
55°	682.8	713.3	760.3	816.6	844.7
57.5°	638.3	668.8	715.7	774.3	802.5
60°	586.6	621.8	668.8	729.8	762.6
62.5°	542.0	572.5	619.5	682.8	722.7
65°	497.5	525.6	567.9	638.3	682.8
67.5°	450.5	481.0	520.9	586.6	647.6
70°	405.9	431.8	471.6	539.7	607.7
72.5°	359.0	384.8	422.4	492.8	567.9
75°	312.1	337.9	370.7	443.5	530.3
77.5°	269.8	291.0	321.5	391.9	485.7
80°	222.9	244.0	272.2	335.6	427.1
82.5°	180.7	199.5	222.9	279.2	352.0
85°	143.1	161.9	180.7	225.3	274.5
87.5°	115.0	129.1	147.8	180.7	213.5
90°	91.5	107.9	124.4	147.8	168.9
92.5°	84.5	98.6	112.6	131.4	145.5
95°	79.8	91.5	105.6	119.7	129.1
97.5°	75.1	86.8	98.6	112.6	119.7
100°	72.7	82.1	93.9	105.6	110.3
102.5°	70.4	77.4	89.2	98.6	105.6
105°	68.0	75.1	84.5	93.9	98.6
107.5°	63.4	70.4	79.8	89.2	93.9
110°	61.0	65.7	75.1	82.1	89.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	58.7	63.4	70.4	77.4	82.1
115°	54.0	58.7	65.7	70.4	75.1
117.5°	51.6	54.0	61.0	63.4	68.0
120°	46.9	49.3	56.3	58.7	61.0
122.5°	42.2	44.6	51.6	51.6	56.3
125°	39.9	39.9	46.9	46.9	49.3
127.5°	37.5	37.5	42.2	42.2	44.6
130°	32.9	32.9	37.5	37.5	37.5
132.5°	30.5	28.2	32.9	32.9	35.2
135°	28.2	25.8	28.2	28.2	30.5
137.5°	23.5	23.5	25.8	23.5	25.8
140°	21.1	18.8	21.1	21.1	23.5
142.5°	18.8	16.4	18.8	16.4	18.8
145°	16.4	14.1	14.1	14.1	16.4
147.5°	14.1	11.7	11.7	11.7	14.1
150°	11.7	9.4	9.4	9.4	11.7
152.5°	9.4	7.0	4.7	7.0	9.4
155°	7.0	7.0	2.3	4.7	7.0
157.5°	4.7	4.7	0.0	2.3	4.7
160°	2.3	2.3	0.0	2.3	2.3
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)