

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: P384325

Luminaire Tested: **22ID-75-L850-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384325
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-75-L850-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

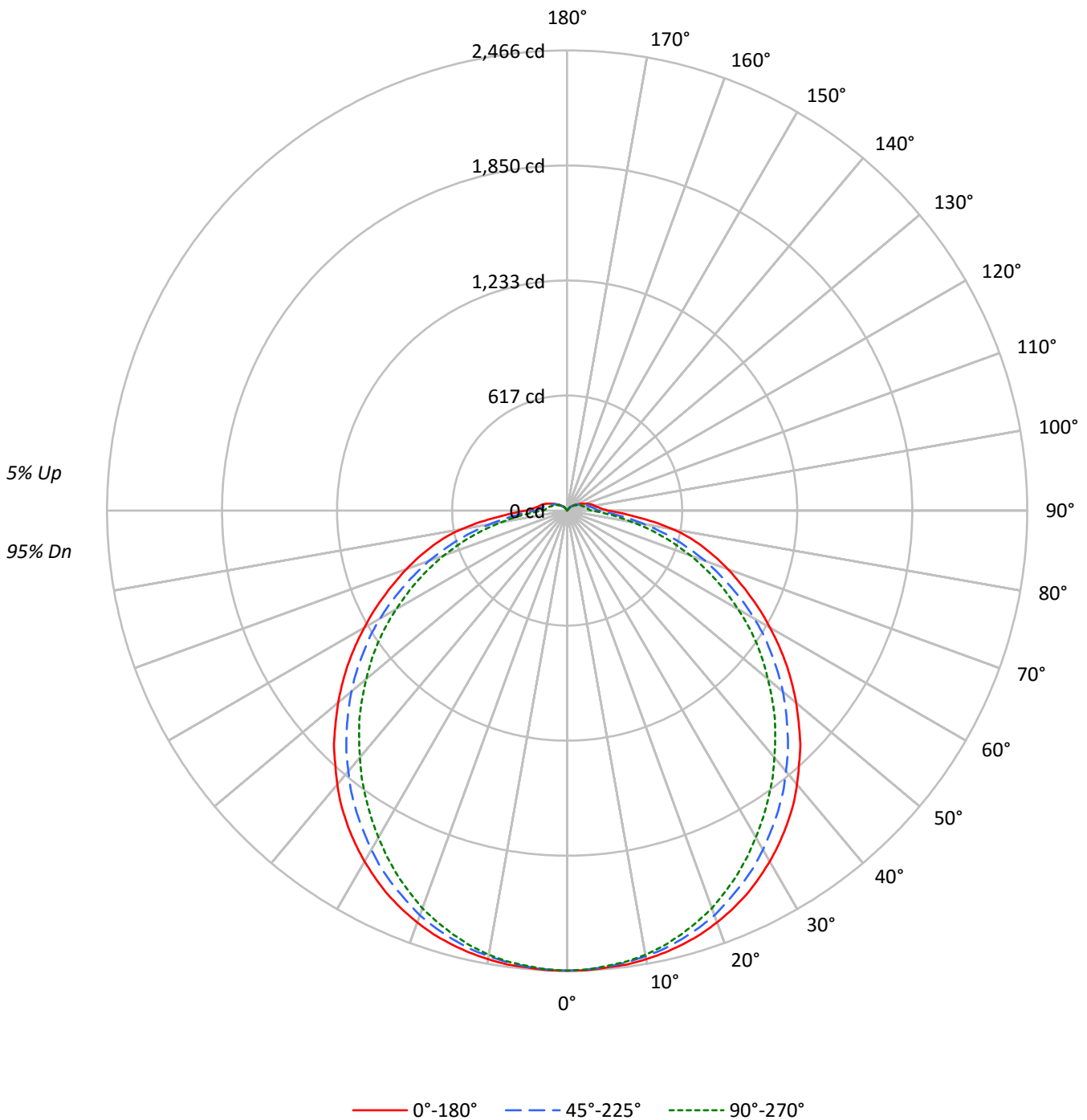
Lumens per Lamp: N/A
Luminaire Lumens: 7997.4 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 66.8
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°	6635	6635	6635
5°	6591	6560	6569
10°	6575	6492	6510
15°	6554	6419	6412
20°	6528	6339	6304
25°	6494	6224	6159
30°	6437	6105	5994
35°	6376	5976	5837
40°	6294	5831	5671
45°	6209	5688	5529
50°	6101	5540	5348
55°	6006	5364	5194
60°	5903	5177	4973
65°	5842	4923	4753
70°	5865	4677	4496
75°	5985	4342	4160
80°	6073	3898	3737
85°	5743	3503	3446



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.4	2.9
10°-20°	671.1	8.4
20°-30°	1019.3	12.7
30°-40°	1231.1	15.4
40°-50°	1288.6	16.1
50°-60°	1195.7	15.0
60°-70°	968.5	12.1
70°-80°	653.6	8.2
80°-90°	315.8	3.9
90°-100°	158.8	2.0
100°-110°	115.5	1.4
110°-120°	77.2	1.0
120°-130°	44.7	0.6
130°-140°	22.5	0.3
140°-150°	1.7	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1923.7	24.1
0°-40°	3154.8	39.4
0°-60°	5639.1	70.5
0°-90°	7576.9	94.7
90°-120°	351.5	4.4
90°-150°	420.5	5.3
90°-180°	420.0	5.3
0°-180°	7997.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2466	2466	2466	2466	2466	
5°	2458	2454	2454	2450	2450	234
15°	2405	2393	2377	2361	2353	679
25°	2272	2252	2212	2171	2155	1047
35°	2054	2026	1969	1909	1881	1285
45°	1768	1735	1671	1602	1574	1362
55°	1433	1400	1336	1271	1239	1281
65°	1082	1041	968	916	880	1073
75°	755	678	601	557	525	795
85°	363	315	266	242	218	343
90°	218	198	170	153	129	124
95°	174	161	145	129	113	136
105°	129	121	109	97	89	138
115°	89	81	81	69	69	88
125°	56	48	52	44	48	50
135°	32	28	28	28	32	25
145°	0	0	0	0	0	2
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°	2465.7	2465.7	2465.7	2465.7	2465.7
2.5°	2465.7	2461.7	2461.7	2461.7	2461.7
5°	2457.7	2453.6	2453.6	2449.6	2449.6
7.5°	2453.6	2445.6	2441.5	2437.5	2437.5
10°	2441.5	2433.5	2425.4	2417.3	2417.3
12.5°	2425.4	2417.3	2405.2	2389.1	2389.1
15°	2405.2	2393.1	2377.0	2360.8	2352.8
17.5°	2381.0	2368.9	2344.7	2320.5	2312.4
20°	2348.7	2332.6	2308.4	2276.1	2268.0
22.5°	2312.4	2296.3	2259.9	2227.6	2211.5
25°	2272.0	2251.9	2211.5	2171.2	2155.0
27.5°	2223.6	2203.4	2159.0	2110.6	2090.4
30°	2171.2	2146.9	2098.5	2046.0	2021.8
32.5°	2114.7	2086.4	2033.9	1977.4	1953.2
35°	2054.1	2025.9	1969.4	1908.8	1880.6
37.5°	1989.5	1961.3	1900.8	1836.2	1807.9
40°	1916.9	1888.7	1824.1	1759.5	1727.2
42.5°	1840.2	1816.0	1751.4	1682.8	1650.6
45°	1767.6	1735.3	1670.7	1602.1	1573.9
47.5°	1682.8	1658.6	1590.0	1521.4	1489.1
50°	1602.1	1573.9	1509.3	1440.7	1404.4
52.5°	1517.4	1493.2	1424.6	1356.0	1323.7
55°	1432.6	1400.4	1335.8	1271.2	1238.9
57.5°	1343.9	1315.6	1251.0	1190.5	1150.1
60°	1255.1	1226.8	1158.2	1101.7	1057.3
62.5°	1170.3	1138.0	1065.4	1004.9	968.5
65°	1081.5	1041.2	968.5	916.1	879.8
67.5°	996.8	948.4	875.7	827.3	791.0
70°	916.1	859.6	786.9	738.5	702.2
72.5°	835.4	766.8	690.1	645.7	613.4
75°	754.7	678.0	601.3	556.9	524.6
77.5°	673.9	585.2	508.5	472.2	439.9
80°	577.1	492.3	419.7	387.4	355.1
82.5°	468.1	399.5	339.0	306.7	282.5
85°	363.2	314.8	266.3	242.1	217.9
87.5°	282.5	246.2	209.9	189.7	169.5
90°	217.9	197.7	169.5	153.4	129.1
92.5°	189.7	173.5	153.4	137.2	117.0
95°	173.5	161.4	145.3	129.1	113.0
97.5°	157.4	149.3	133.2	121.1	104.9
100°	149.3	137.2	125.1	113.0	100.9
102.5°	141.2	129.1	117.0	104.9	96.9
105°	129.1	121.1	109.0	96.9	88.8
107.5°	121.1	109.0	100.9	88.8	84.7
110°	109.0	100.9	92.8	84.7	80.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	96.9	92.8	84.7	76.7	72.6
115°	88.8	80.7	80.7	68.6	68.6
117.5°	80.7	72.6	72.6	64.6	64.6
120°	68.6	64.6	64.6	56.5	56.5
122.5°	60.5	56.5	56.5	52.5	52.5
125°	56.5	48.4	52.5	44.4	48.4
127.5°	48.4	44.4	44.4	40.4	44.4
130°	40.4	36.3	36.3	36.3	40.4
132.5°	36.3	32.3	32.3	32.3	36.3
135°	32.3	28.2	28.2	28.2	32.3
137.5°	28.2	24.2	20.2	24.2	28.2
140°	24.2	20.2	16.1	20.2	24.2
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)