

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: P384329

Luminaire Tested: **22ID-80-L850-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384329
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-80-L850-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

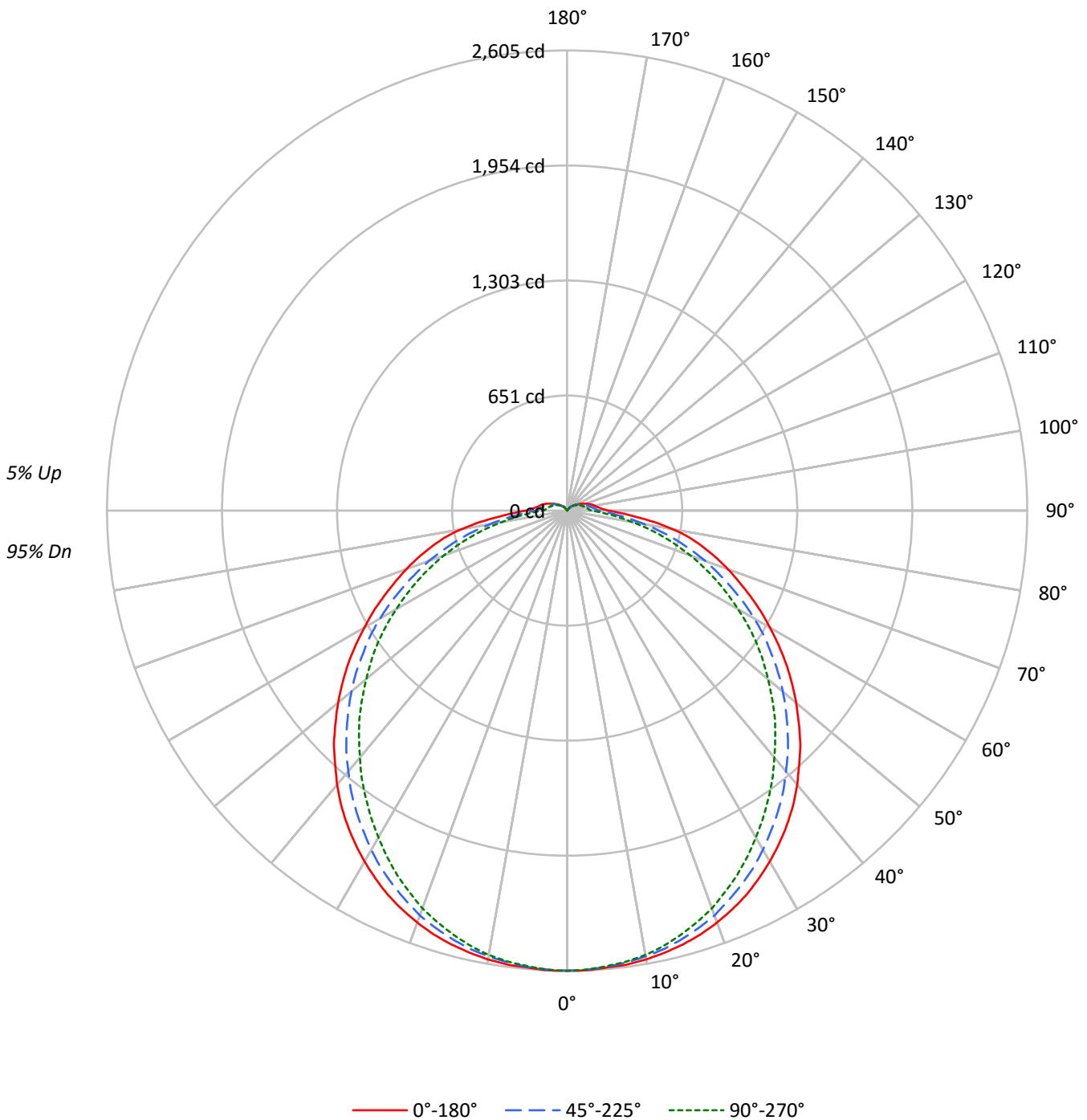
Lumens per Lamp: N/A
Luminaire Lumens: 8449.6 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 71.8
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	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°	7011	7011	7011
5°	6963	6931	6941
10°	6947	6859	6878
15°	6925	6782	6774
20°	6897	6697	6660
25°	6861	6576	6508
30°	6801	6451	6333
35°	6737	6314	6167
40°	6650	6161	5992
45°	6560	6009	5842
50°	6446	5854	5651
55°	6346	5667	5488
60°	6236	5469	5254
65°	6173	5201	5021
70°	6197	4941	4750
75°	6323	4588	4396
80°	6416	4119	3948
85°	6068	3702	3640



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.6	2.9
10°-20°	709.0	8.4
20°-30°	1076.9	12.7
30°-40°	1300.8	15.4
40°-50°	1361.4	16.1
50°-60°	1263.3	15.0
60°-70°	1023.2	12.1
70°-80°	690.5	8.2
80°-90°	333.6	3.9
90°-100°	167.8	2.0
100°-110°	122.0	1.4
110°-120°	81.5	1.0
120°-130°	47.3	0.6
130°-140°	23.8	0.3
140°-150°	1.8	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2032.5	24.1
0°-40°	3333.2	39.4
0°-60°	5957.9	70.5
0°-90°	8005.3	94.7
90°-120°	371.3	4.4
90°-150°	444.2	5.3
90°-180°	444.0	5.3
0°-180°	8449.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2605	2605	2605	2605	2605	
5°	2597	2592	2592	2588	2588	247
15°	2541	2528	2511	2494	2486	718
25°	2400	2379	2337	2294	2277	1106
35°	2170	2140	2081	2017	1987	1358
45°	1868	1833	1765	1693	1663	1439
55°	1514	1480	1411	1343	1309	1353
65°	1143	1100	1023	968	930	1134
75°	797	716	635	588	554	840
85°	384	333	281	256	230	363
90°	230	209	179	162	136	131
95°	183	171	154	136	119	144
105°	136	128	115	102	94	146
115°	94	85	85	72	72	93
125°	60	51	55	47	51	52
135°	34	30	30	30	34	27
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°	2605.2	2605.2	2605.2	2605.2	2605.2
2.5°	2605.2	2600.9	2600.9	2600.9	2600.9
5°	2596.6	2592.4	2592.4	2588.1	2588.1
7.5°	2592.4	2583.9	2579.6	2575.3	2575.3
10°	2579.6	2571.1	2562.5	2554.0	2554.0
12.5°	2562.5	2554.0	2541.2	2524.2	2524.2
15°	2541.2	2528.4	2511.4	2494.3	2485.8
17.5°	2515.6	2502.8	2477.3	2451.7	2443.1
20°	2481.5	2464.5	2438.9	2404.8	2396.2
22.5°	2443.1	2426.1	2387.7	2353.6	2336.6
25°	2400.5	2379.2	2336.6	2293.9	2276.9
27.5°	2349.3	2328.0	2281.1	2230.0	2208.6
30°	2293.9	2268.3	2217.2	2161.7	2136.2
32.5°	2234.2	2204.4	2148.9	2089.3	2063.7
35°	2170.3	2140.4	2080.7	2016.8	1986.9
37.5°	2102.0	2072.2	2008.2	1940.0	1910.2
40°	2025.3	1995.4	1927.2	1859.0	1824.9
42.5°	1944.3	1918.7	1850.5	1778.0	1743.9
45°	1867.5	1833.4	1765.2	1692.7	1662.9
47.5°	1778.0	1752.4	1679.9	1607.4	1573.3
50°	1692.7	1662.9	1594.7	1522.2	1483.8
52.5°	1603.2	1577.6	1505.1	1432.6	1398.5
55°	1513.6	1479.5	1411.3	1343.1	1309.0
57.5°	1419.8	1390.0	1321.8	1257.8	1215.2
60°	1326.0	1296.2	1223.7	1164.0	1117.1
62.5°	1236.5	1202.4	1125.6	1061.7	1023.3
65°	1142.7	1100.1	1023.3	967.9	929.5
67.5°	1053.2	1002.0	925.2	874.1	835.7
70°	967.9	908.2	831.4	780.3	741.9
72.5°	882.6	810.1	729.1	682.2	648.1
75°	797.3	716.3	635.3	588.4	554.3
77.5°	712.1	618.2	537.2	498.9	464.8
80°	609.7	520.2	443.4	409.3	375.2
82.5°	494.6	422.1	358.2	324.0	298.5
85°	383.7	332.6	281.4	255.8	230.2
87.5°	298.5	260.1	221.7	200.4	179.1
90°	230.2	208.9	179.1	162.0	136.4
92.5°	200.4	183.3	162.0	145.0	123.6
95°	183.3	170.6	153.5	136.4	119.4
97.5°	166.3	157.8	140.7	127.9	110.9
100°	157.8	145.0	132.2	119.4	106.6
102.5°	149.2	136.4	123.6	110.9	102.3
105°	136.4	127.9	115.1	102.3	93.8
107.5°	127.9	115.1	106.6	93.8	89.5
110°	115.1	106.6	98.1	89.5	85.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	102.3	98.1	89.5	81.0	76.7
115°	93.8	85.3	85.3	72.5	72.5
117.5°	85.3	76.7	76.7	68.2	68.2
120°	72.5	68.2	68.2	59.7	59.7
122.5°	64.0	59.7	59.7	55.4	55.4
125°	59.7	51.2	55.4	46.9	51.2
127.5°	51.2	46.9	46.9	42.6	46.9
130°	42.6	38.4	38.4	38.4	42.6
132.5°	38.4	34.1	34.1	34.1	38.4
135°	34.1	29.8	29.8	29.8	34.1
137.5°	29.8	25.6	21.3	25.6	29.8
140°	25.6	21.3	17.1	21.3	25.6
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)