

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: P384331

Luminaire Tested: **22ID-85-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384331
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-85-L835-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

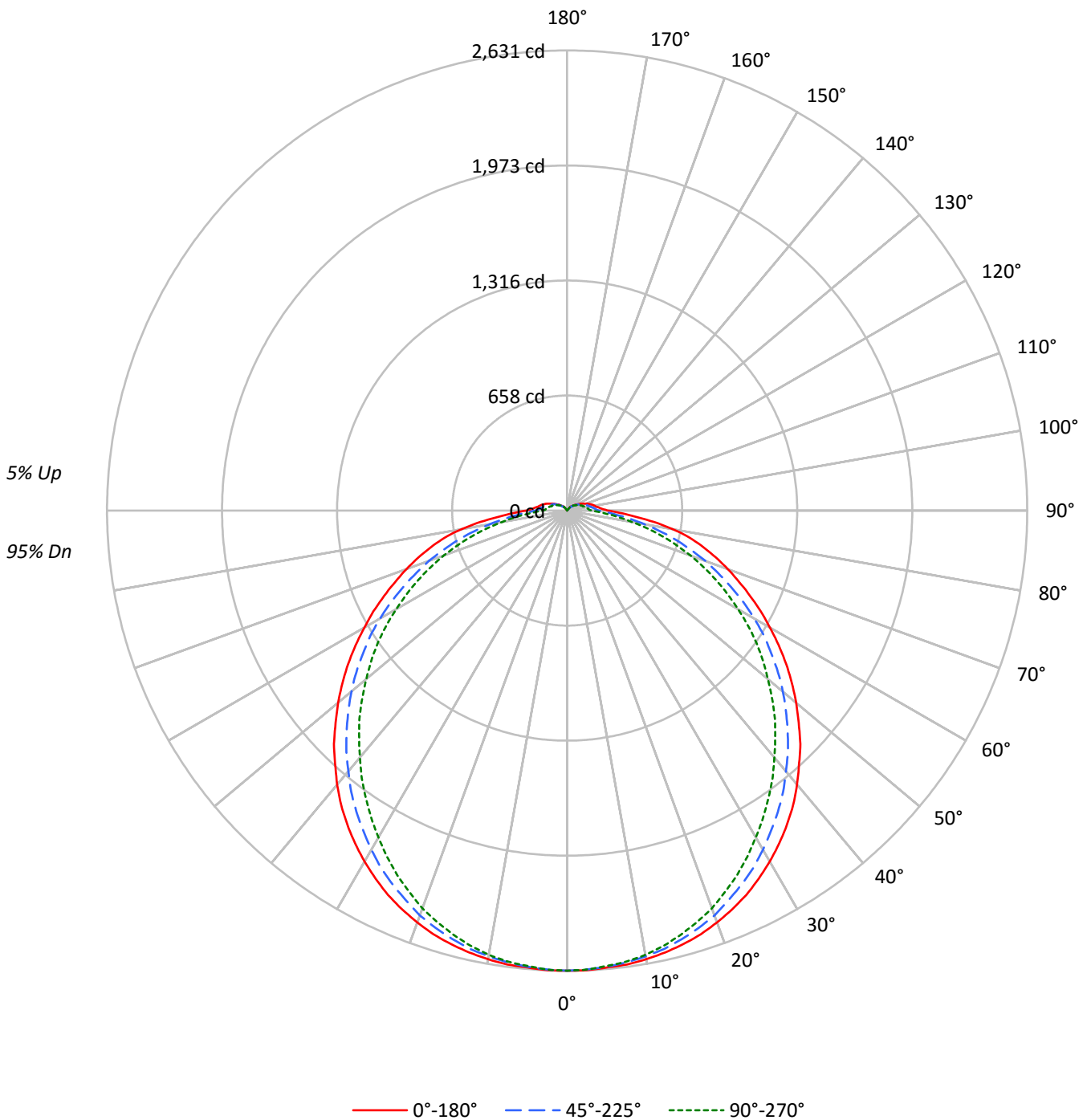
Lumens per Lamp: N/A
Luminaire Lumens: 8533.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 76.8
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°	7080	7080	7080
5°	7032	7000	7009
10°	7015	6927	6946
15°	6993	6849	6841
20°	6965	6763	6726
25°	6929	6641	6572
30°	6868	6514	6395
35°	6803	6377	6228
40°	6715	6222	6051
45°	6625	6069	5899
50°	6510	5912	5706
55°	6409	5723	5542
60°	6298	5524	5306
65°	6234	5253	5071
70°	6257	4990	4796
75°	6386	4633	4440
80°	6479	4159	3987
85°	6128	3739	3677



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.0	2.9
10°-20°	716.0	8.4
20°-30°	1087.5	12.7
30°-40°	1313.6	15.4
40°-50°	1374.9	16.1
50°-60°	1275.7	15.0
60°-70°	1033.3	12.1
70°-80°	697.3	8.2
80°-90°	336.9	3.9
90°-100°	169.5	2.0
100°-110°	123.2	1.4
110°-120°	82.3	1.0
120°-130°	47.7	0.6
130°-140°	24.0	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°	2052.5	24.1
0°-40°	3366.1	39.4
0°-60°	6016.7	70.5
0°-90°	8084.3	94.7
90°-120°	375.0	4.4
90°-150°	448.7	5.3
90°-180°	449.0	5.3
0°-180°	8533.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2631	2631	2631	2631	2631	
5°	2622	2618	2618	2614	2614	250
15°	2566	2553	2536	2519	2510	725
25°	2424	2403	2360	2317	2299	1117
35°	2192	2162	2101	2037	2006	1371
45°	1886	1852	1783	1709	1679	1453
55°	1529	1494	1425	1356	1322	1366
65°	1154	1111	1033	977	939	1145
75°	805	723	642	594	560	848
85°	388	336	284	258	232	366
90°	232	211	181	164	138	133
95°	185	172	155	138	121	145
105°	138	129	116	103	95	147
115°	95	86	86	73	73	94
125°	60	52	56	47	52	53
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°	2630.9	2630.9	2630.9	2630.9	2630.9
2.5°	2630.9	2626.6	2626.6	2626.6	2626.6
5°	2622.3	2618.0	2618.0	2613.7	2613.7
7.5°	2618.0	2609.4	2605.0	2600.7	2600.7
10°	2605.0	2596.4	2587.8	2579.2	2579.2
12.5°	2587.8	2579.2	2566.3	2549.1	2549.1
15°	2566.3	2553.4	2536.2	2518.9	2510.3
17.5°	2540.5	2527.5	2501.7	2475.9	2467.3
20°	2506.0	2488.8	2463.0	2428.5	2419.9
22.5°	2467.3	2450.0	2411.3	2376.8	2359.6
25°	2424.2	2402.7	2359.6	2316.6	2299.3
27.5°	2372.5	2351.0	2303.6	2252.0	2230.4
30°	2316.6	2290.7	2239.1	2183.1	2157.2
32.5°	2256.3	2226.1	2170.2	2109.9	2084.0
35°	2191.7	2161.5	2101.3	2036.7	2006.5
37.5°	2122.8	2092.7	2028.1	1959.2	1929.0
40°	2045.3	2015.1	1946.3	1877.4	1842.9
42.5°	1963.5	1937.6	1868.7	1795.5	1761.1
45°	1886.0	1851.5	1782.6	1709.4	1679.3
47.5°	1795.5	1769.7	1696.5	1623.3	1588.9
50°	1709.4	1679.3	1610.4	1537.2	1498.4
52.5°	1619.0	1593.2	1520.0	1446.8	1412.3
55°	1528.6	1494.1	1425.2	1356.3	1321.9
57.5°	1433.9	1403.7	1334.8	1270.2	1227.2
60°	1339.1	1309.0	1235.8	1175.5	1128.1
62.5°	1248.7	1214.3	1136.7	1072.2	1033.4
65°	1154.0	1110.9	1033.4	977.4	938.7
67.5°	1063.5	1011.9	934.4	882.7	843.9
70°	977.4	917.1	839.6	788.0	749.2
72.5°	891.3	818.1	736.3	688.9	654.5
75°	805.2	723.4	641.6	594.2	559.8
77.5°	719.1	624.4	542.5	503.8	469.3
80°	615.7	525.3	447.8	413.4	378.9
82.5°	499.5	426.3	361.7	327.2	301.4
85°	387.5	335.9	284.2	258.4	232.5
87.5°	301.4	262.7	223.9	202.4	180.8
90°	232.5	211.0	180.8	163.6	137.8
92.5°	202.4	185.2	163.6	146.4	124.9
95°	185.2	172.2	155.0	137.8	120.6
97.5°	167.9	159.3	142.1	129.2	112.0
100°	159.3	146.4	133.5	120.6	107.6
102.5°	150.7	137.8	124.9	112.0	103.3
105°	137.8	129.2	116.3	103.3	94.7
107.5°	129.2	116.3	107.6	94.7	90.4
110°	116.3	107.6	99.0	90.4	86.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	103.3	99.0	90.4	81.8	77.5
115°	94.7	86.1	86.1	73.2	73.2
117.5°	86.1	77.5	77.5	68.9	68.9
120°	73.2	68.9	68.9	60.3	60.3
122.5°	64.6	60.3	60.3	56.0	56.0
125°	60.3	51.7	56.0	47.4	51.7
127.5°	51.7	47.4	47.4	43.1	47.4
130°	43.1	38.8	38.8	38.8	43.1
132.5°	38.8	34.4	34.4	34.4	38.8
135°	34.4	30.1	30.1	30.1	34.4
137.5°	30.1	25.8	21.5	25.8	30.1
140°	25.8	21.5	17.2	21.5	25.8
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)