

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: P384662

Luminaire Tested: **22ID-80-L830-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384662
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-80-L830-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

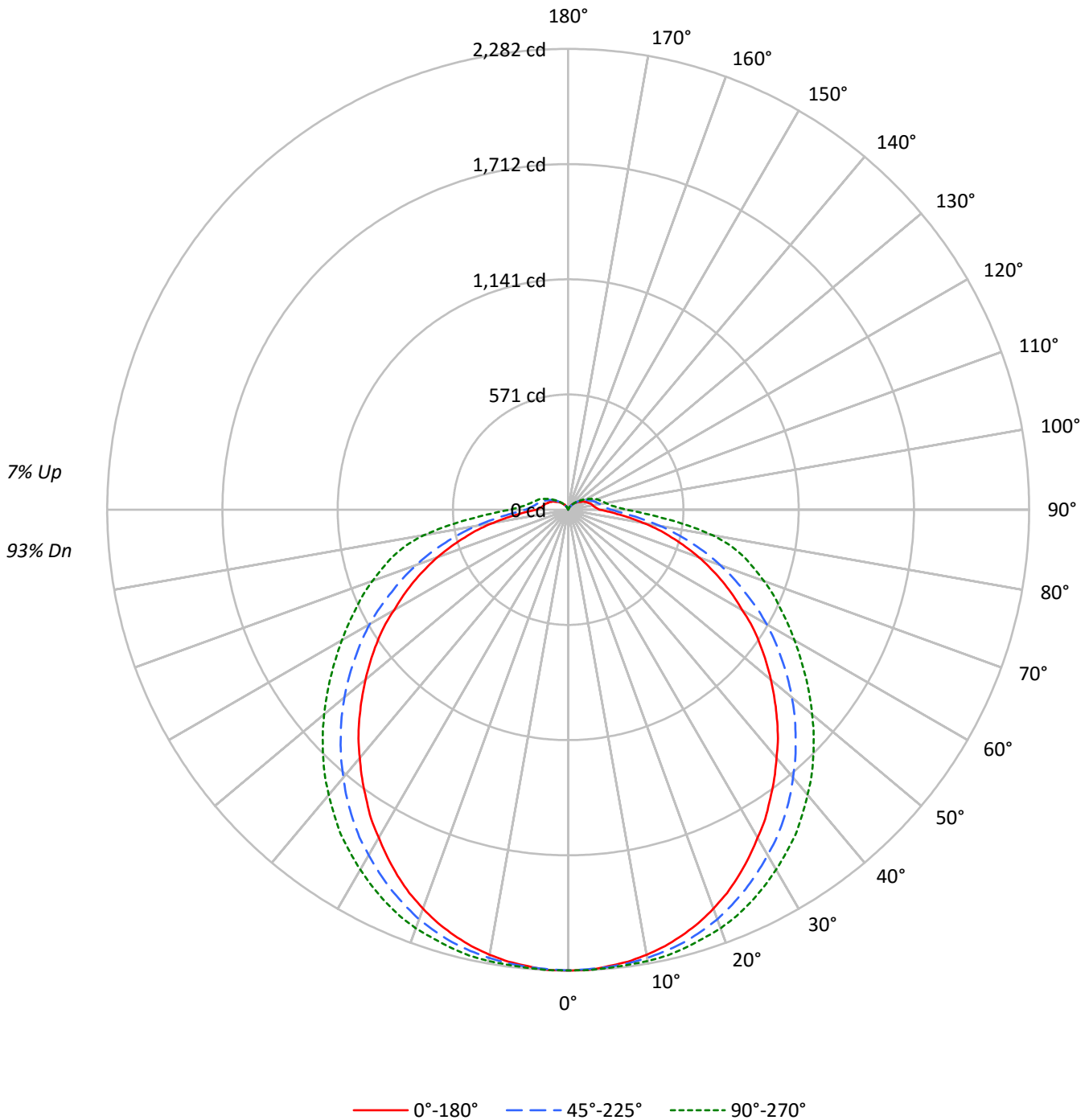
Lumens per Lamp: N/A
Luminaire Lumens: 7983.8 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 70.8
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	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°	6139	6139	6139
5°	6064	6048	6086
10°	5983	5972	6068
15°	5882	5899	6054
20°	5758	5807	6042
25°	5608	5690	6010
30°	5435	5568	5966
35°	5268	5447	5930
40°	5102	5298	5861
45°	4943	5151	5805
50°	4773	4998	5745
55°	4613	4833	5706
60°	4404	4676	5725
65°	4239	4449	5818
70°	4034	4238	6039
75°	3755	3941	6380
80°	3430	3574	6572
85°	3088	3134	5923



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.3	2.7
10°-20°	625.1	7.8
20°-30°	955.1	12.0
30°-40°	1162.6	14.6
40°-50°	1228.8	15.4
50°-60°	1159.9	14.5
60°-70°	975.9	12.2
70°-80°	703.6	8.8
80°-90°	371.0	4.6
90°-100°	198.6	2.5
100°-110°	150.8	1.9
110°-120°	109.4	1.4
120°-130°	68.7	0.9
130°-140°	37.1	0.5
140°-150°	16.2	0.2
150°-160°	4.3	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1796.6	22.5
0°-40°	2959.2	37.1
0°-60°	5347.9	67.0
0°-90°	7398.4	92.7
90°-120°	458.9	5.7
90°-150°	580.9	7.3
90°-180°	585.0	7.3
0°-180°	7983.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2282	2282	2282	2282	2282	
5°	2270	2270	2274	2274	2278	216
15°	2182	2190	2218	2234	2246	615
25°	1999	2023	2074	2122	2142	920
35°	1744	1784	1863	1935	1963	1092
45°	1461	1505	1593	1680	1716	1128
55°	1159	1210	1290	1386	1433	1036
65°	844	892	964	1083	1159	834
75°	530	573	629	752	900	562
85°	243	275	307	382	466	228
90°	155	183	211	251	287	89
95°	135	155	179	203	219	108
105°	116	127	143	159	167	121
115°	92	100	112	119	127	92
125°	68	68	80	80	84	61
135°	48	44	48	48	52	36
145°	28	24	24	24	28	18
155°	12	12	4	8	12	6
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°	2281.5	2281.5	2281.5	2281.5	2281.5
2.5°	2281.5	2277.5	2277.5	2277.5	2281.5
5°	2269.5	2269.5	2273.5	2273.5	2277.5
7.5°	2257.6	2257.6	2265.6	2269.5	2273.5
10°	2237.7	2241.7	2253.6	2261.6	2269.5
12.5°	2213.8	2217.8	2237.7	2253.6	2261.6
15°	2181.9	2189.9	2217.8	2233.7	2245.7
17.5°	2146.1	2158.1	2189.9	2213.8	2225.7
20°	2102.3	2118.2	2158.1	2189.9	2205.8
22.5°	2054.5	2070.5	2118.2	2158.1	2178.0
25°	1998.8	2022.7	2074.4	2122.2	2142.1
27.5°	1939.1	1966.9	2026.7	2082.4	2102.3
30°	1875.4	1907.2	1974.9	2034.6	2058.5
32.5°	1815.6	1847.5	1923.1	1986.8	2010.7
35°	1744.0	1783.8	1863.4	1935.1	1963.0
37.5°	1676.3	1716.1	1799.7	1875.4	1903.2
40°	1604.6	1644.4	1732.0	1815.6	1843.5
42.5°	1536.9	1576.7	1664.3	1751.9	1783.8
45°	1461.3	1505.1	1592.7	1680.3	1716.1
47.5°	1385.6	1429.4	1521.0	1612.6	1648.4
50°	1310.0	1357.7	1445.3	1536.9	1576.7
52.5°	1234.3	1282.1	1369.7	1465.2	1505.1
55°	1158.7	1210.4	1290.1	1385.6	1433.4
57.5°	1083.0	1134.8	1214.4	1313.9	1361.7
60°	995.4	1055.1	1134.8	1238.3	1294.0
62.5°	919.8	971.5	1051.2	1158.7	1226.3
65°	844.1	891.9	963.6	1083.0	1158.7
67.5°	764.5	816.2	883.9	995.4	1098.9
70°	688.8	732.6	800.3	915.8	1031.2
72.5°	609.2	653.0	716.7	836.1	963.6
75°	529.6	573.4	629.1	752.5	899.9
77.5°	457.9	493.7	545.5	664.9	824.2
80°	378.3	414.1	461.9	569.4	724.7
82.5°	306.6	338.4	378.3	473.8	597.2
85°	242.9	274.7	306.6	382.2	465.9
87.5°	195.1	219.0	250.8	306.6	362.3
90°	155.3	183.2	211.0	250.8	286.7
92.5°	143.3	167.2	191.1	223.0	246.9
95°	135.4	155.3	179.2	203.1	219.0
97.5°	127.4	147.3	167.2	191.1	203.1
100°	123.4	139.4	159.3	179.2	187.1
102.5°	119.4	131.4	151.3	167.2	179.2
105°	115.5	127.4	143.3	159.3	167.2
107.5°	107.5	119.4	135.4	151.3	159.3
110°	103.5	111.5	127.4	139.4	151.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	99.5	107.5	119.4	131.4	139.4
115°	91.6	99.5	111.5	119.4	127.4
117.5°	87.6	91.6	103.5	107.5	115.5
120°	79.6	83.6	95.6	99.5	103.5
122.5°	71.7	75.7	87.6	87.6	95.6
125°	67.7	67.7	79.6	79.6	83.6
127.5°	63.7	63.7	71.7	71.7	75.7
130°	55.7	55.7	63.7	63.7	63.7
132.5°	51.8	47.8	55.7	55.7	59.7
135°	47.8	43.8	47.8	47.8	51.8
137.5°	39.8	39.8	43.8	39.8	43.8
140°	35.8	31.9	35.8	35.8	39.8
142.5°	31.9	27.9	31.9	27.9	31.9
145°	27.9	23.9	23.9	23.9	27.9
147.5°	23.9	19.9	19.9	19.9	23.9
150°	19.9	15.9	15.9	15.9	19.9
152.5°	15.9	11.9	8.0	11.9	15.9
155°	11.9	11.9	4.0	8.0	11.9
157.5°	8.0	8.0	0.0	4.0	8.0
160°	4.0	4.0	0.0	4.0	4.0
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)