

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: P384327

Luminaire Tested: **22ID-80-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384327
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-L835-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

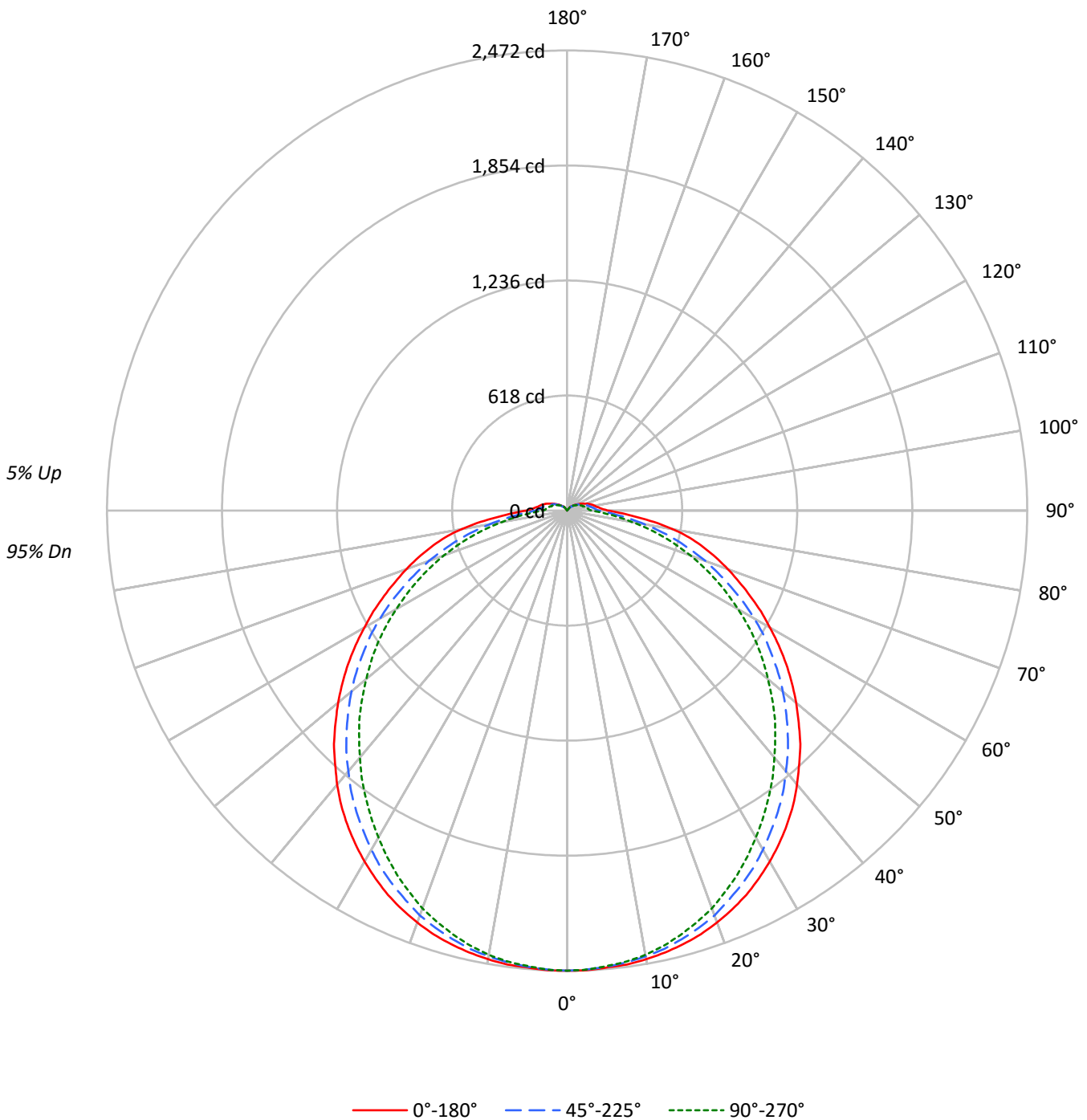
Lumens per Lamp: N/A
Luminaire Lumens: 8017.5 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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	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°	6652	6652	6652
5°	6607	6577	6586
10°	6591	6509	6526
15°	6571	6435	6428
20°	6544	6355	6319
25°	6510	6240	6175
30°	6453	6121	6009
35°	6392	5991	5852
40°	6309	5846	5685
45°	6225	5702	5543
50°	6117	5554	5362
55°	6021	5377	5207
60°	5917	5190	4985
65°	5857	4935	4765
70°	5880	4689	4507
75°	6000	4353	4171
80°	6088	3909	3746
85°	5758	3512	3455



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.0	2.9
10°-20°	672.8	8.4
20°-30°	1021.8	12.7
30°-40°	1234.2	15.4
40°-50°	1291.8	16.1
50°-60°	1198.7	15.0
60°-70°	970.9	12.1
70°-80°	655.2	8.2
80°-90°	316.6	3.9
90°-100°	159.2	2.0
100°-110°	115.8	1.4
110°-120°	77.4	1.0
120°-130°	44.8	0.6
130°-140°	22.6	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°	1928.5	24.1
0°-40°	3162.8	39.4
0°-60°	5653.2	70.5
0°-90°	7595.9	94.7
90°-120°	352.4	4.4
90°-150°	421.5	5.3
90°-180°	422.0	5.3
0°-180°	8017.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2472	2472	2472	2472	2472	
5°	2464	2460	2460	2456	2456	235
15°	2411	2399	2383	2367	2359	681
25°	2278	2258	2217	2177	2160	1050
35°	2059	2031	1974	1914	1885	1288
45°	1772	1740	1675	1606	1578	1365
55°	1436	1404	1339	1274	1242	1284
65°	1084	1044	971	918	882	1076
75°	757	680	603	558	526	797
85°	364	316	267	243	218	344
90°	218	198	170	154	130	125
95°	174	162	146	130	113	137
105°	130	121	109	97	89	138
115°	89	81	81	69	69	89
125°	57	48	53	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°	2471.9	2471.9	2471.9	2471.9	2471.9
2.5°	2471.9	2467.9	2467.9	2467.9	2467.9
5°	2463.9	2459.8	2459.8	2455.8	2455.8
7.5°	2459.8	2451.7	2447.7	2443.6	2443.6
10°	2447.7	2439.6	2431.5	2423.4	2423.4
12.5°	2431.5	2423.4	2411.3	2395.1	2395.1
15°	2411.3	2399.1	2382.9	2366.8	2358.7
17.5°	2387.0	2374.8	2350.6	2326.3	2318.2
20°	2354.6	2338.4	2314.2	2281.8	2273.7
22.5°	2318.2	2302.0	2265.6	2233.2	2217.1
25°	2277.8	2257.5	2217.1	2176.6	2160.4
27.5°	2229.2	2209.0	2164.5	2115.9	2095.7
30°	2176.6	2152.3	2103.8	2051.2	2026.9
32.5°	2120.0	2091.6	2039.1	1982.4	1958.1
35°	2059.3	2031.0	1974.3	1913.6	1885.3
37.5°	1994.5	1966.2	1905.5	1840.8	1812.5
40°	1921.7	1893.4	1828.7	1763.9	1731.6
42.5°	1844.9	1820.6	1755.9	1687.1	1654.7
45°	1772.0	1739.7	1674.9	1606.2	1577.8
47.5°	1687.1	1662.8	1594.0	1525.2	1492.9
50°	1606.2	1577.8	1513.1	1444.3	1407.9
52.5°	1521.2	1496.9	1428.1	1359.4	1327.0
55°	1436.2	1403.9	1339.1	1274.4	1242.0
57.5°	1347.2	1318.9	1254.2	1193.5	1153.0
60°	1258.2	1229.9	1161.1	1104.5	1060.0
62.5°	1173.3	1140.9	1068.1	1007.4	971.0
65°	1084.3	1043.8	971.0	918.4	882.0
67.5°	999.3	950.7	877.9	829.4	793.0
70°	918.4	861.7	788.9	740.4	704.0
72.5°	837.5	768.7	691.8	647.3	615.0
75°	756.6	679.7	602.8	558.3	525.9
77.5°	675.6	586.6	509.8	473.4	441.0
80°	578.5	493.6	420.8	388.4	356.0
82.5°	469.3	400.5	339.8	307.5	283.2
85°	364.1	315.6	267.0	242.7	218.5
87.5°	283.2	246.8	210.4	190.1	169.9
90°	218.5	198.2	169.9	153.7	129.5
92.5°	190.1	174.0	153.7	137.6	117.3
95°	174.0	161.8	145.6	129.5	113.3
97.5°	157.8	149.7	133.5	121.4	105.2
100°	149.7	137.6	125.4	113.3	101.1
102.5°	141.6	129.5	117.3	105.2	97.1
105°	129.5	121.4	109.2	97.1	89.0
107.5°	121.4	109.2	101.1	89.0	85.0
110°	109.2	101.1	93.1	85.0	80.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	97.1	93.1	85.0	76.9	72.8
115°	89.0	80.9	80.9	68.8	68.8
117.5°	80.9	72.8	72.8	64.7	64.7
120°	68.8	64.7	64.7	56.6	56.6
122.5°	60.7	56.6	56.6	52.6	52.6
125°	56.6	48.5	52.6	44.5	48.5
127.5°	48.5	44.5	44.5	40.5	44.5
130°	40.5	36.4	36.4	36.4	40.5
132.5°	36.4	32.4	32.4	32.4	36.4
135°	32.4	28.3	28.3	28.3	32.4
137.5°	28.3	24.3	20.2	24.3	28.3
140°	24.3	20.2	16.2	20.2	24.3
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)