

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: P384099

Luminaire Tested: **14ID-75-L835-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-75-L835-CFD1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

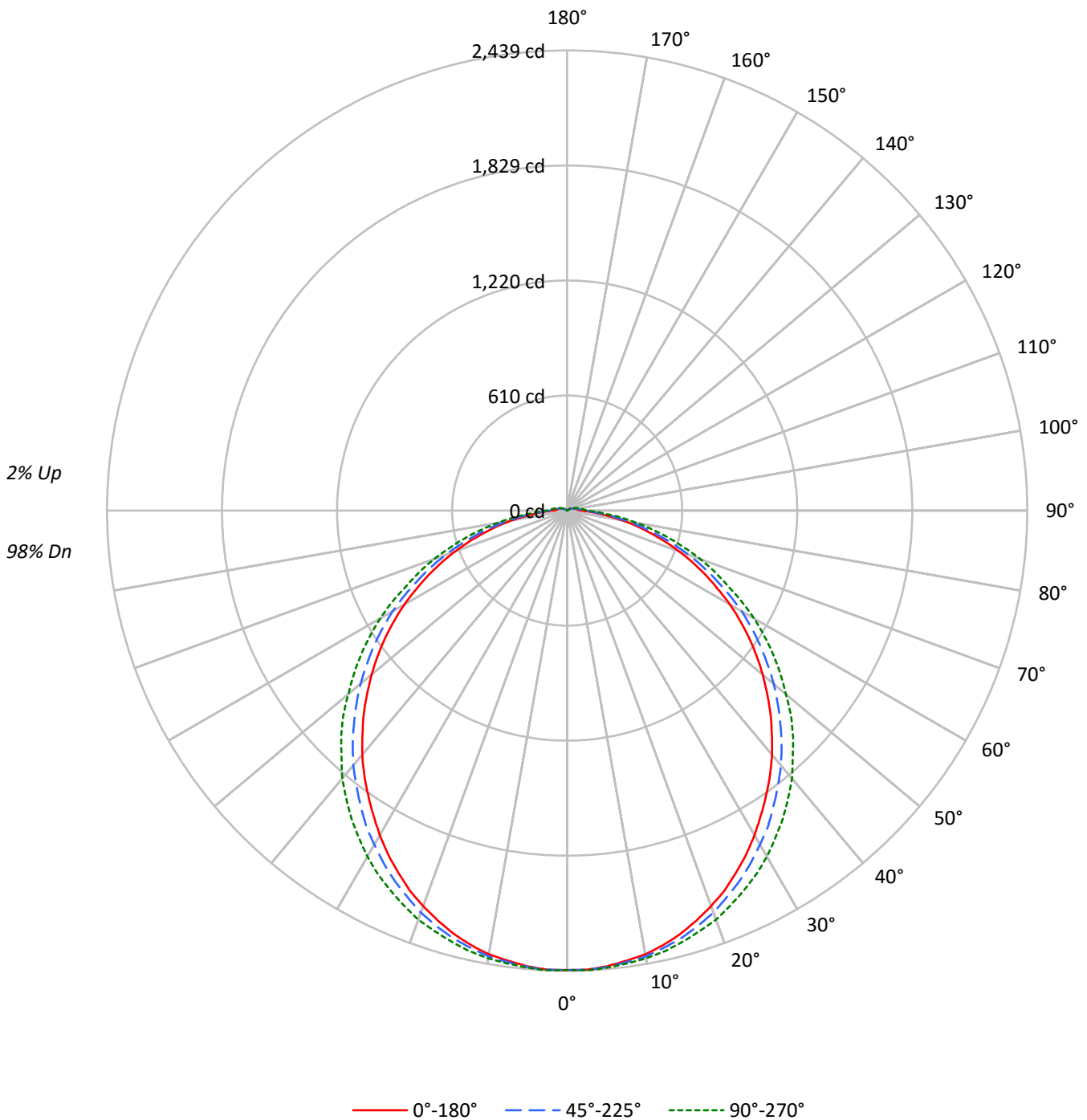
Lumens per Lamp: N/A
Luminaire Lumens: 7213.2 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 70.9
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6554	6554	6554
5°	6537	6517	6522
10°	6501	6471	6490
15°	6433	6404	6448
20°	6340	6323	6413
25°	6226	6215	6344
30°	6097	6093	6277
35°	5956	5963	6186
40°	5833	5831	6088
45°	5685	5665	5948
50°	5527	5503	5766
55°	5365	5309	5597
60°	5186	5097	5383
65°	4948	4786	5058
70°	4681	4475	4800
75°	4375	4056	4409
80°	4055	3558	3926
85°	3920	3065	3355



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.7	3.2
10°-20°	661.2	9.2
20°-30°	998.3	13.8
30°-40°	1196.1	16.6
40°-50°	1236.6	17.1
50°-60°	1119.9	15.5
60°-70°	866.5	12.0
70°-80°	532.3	7.4
80°-90°	211.5	2.9
90°-100°	77.2	1.1
100°-110°	47.4	0.7
110°-120°	24.4	0.3
120°-130°	10.4	0.1
130°-140°	0.7	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1890.1	26.2
0°-40°	3086.3	42.8
0°-60°	5442.7	75.5
0°-90°	7053.1	97.8
90°-120°	149.0	2.1
90°-150°	160.1	2.2
90°-180°	160.0	2.2
0°-180°	7213.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2436	2436	2436	2436	2436	
5°	2424	2424	2428	2428	2432	230
15°	2322	2326	2344	2359	2366	655
25°	2117	2132	2165	2202	2220	976
35°	1839	1861	1909	1960	1993	1152
45°	1525	1543	1598	1664	1693	1175
55°	1178	1203	1251	1306	1335	1052
65°	812	830	870	914	936	803
75°	454	475	497	530	556	483
85°	157	168	183	201	212	157
90°	73	84	91	102	110	43
95°	55	62	70	77	84	44
105°	40	40	44	48	51	43
115°	26	22	22	26	29	26
125°	15	11	7	11	15	14
135°	0	0	0	0	0	1
145°	0	0	0	0	0	0
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°	2435.5	2435.5	2435.5	2435.5	2435.5
2.5°	2435.5	2431.9	2435.5	2435.5	2439.2
5°	2424.5	2424.5	2428.2	2428.2	2431.9
7.5°	2406.3	2406.3	2413.6	2417.2	2420.9
10°	2388.0	2388.0	2398.9	2402.6	2409.9
12.5°	2358.7	2362.4	2373.3	2384.3	2391.6
15°	2322.1	2325.8	2344.1	2358.7	2366.0
17.5°	2278.3	2285.6	2307.5	2329.5	2336.8
20°	2230.7	2241.7	2267.3	2292.9	2307.5
22.5°	2179.5	2186.8	2216.1	2249.0	2263.6
25°	2117.4	2132.0	2164.9	2201.5	2219.7
27.5°	2055.2	2069.8	2106.4	2150.3	2172.2
30°	1985.7	2000.3	2044.2	2091.8	2117.4
32.5°	1912.6	1930.9	1982.1	2029.6	2055.2
35°	1839.4	1861.4	1908.9	1960.1	1993.0
37.5°	1766.3	1784.6	1835.8	1890.6	1923.5
40°	1689.5	1707.8	1762.6	1817.5	1854.1
42.5°	1605.4	1627.3	1682.2	1740.7	1769.9
45°	1524.9	1543.2	1598.1	1663.9	1693.2
47.5°	1437.2	1462.8	1514.0	1576.1	1609.0
50°	1353.1	1375.0	1429.9	1488.4	1514.0
52.5°	1265.3	1287.2	1338.4	1396.9	1426.2
55°	1177.5	1203.1	1250.7	1305.5	1334.8
57.5°	1086.1	1111.7	1159.2	1206.8	1239.7
60°	998.3	1023.9	1067.8	1115.4	1144.6
62.5°	899.6	921.5	969.1	1020.3	1042.2
65°	811.8	830.1	870.3	914.2	936.2
67.5°	720.4	742.4	778.9	819.1	844.7
70°	629.0	654.6	683.8	720.4	749.7
72.5°	541.2	563.2	588.8	625.3	650.9
75°	453.5	475.4	497.3	530.3	555.9
77.5°	376.7	387.6	409.6	438.8	464.4
80°	292.6	307.2	325.5	354.7	373.0
82.5°	219.4	234.0	248.7	270.6	288.9
85°	157.2	168.2	182.8	201.1	212.1
87.5°	106.1	117.0	128.0	142.6	153.6
90°	73.1	84.1	91.4	102.4	109.7
92.5°	62.2	69.5	76.8	84.1	91.4
95°	54.9	62.2	69.5	76.8	84.1
97.5°	51.2	54.9	62.2	69.5	73.1
100°	47.5	51.2	54.9	62.2	65.8
102.5°	43.9	43.9	51.2	54.9	58.5
105°	40.2	40.2	43.9	47.5	51.2
107.5°	36.6	36.6	40.2	40.2	47.5
110°	32.9	29.3	32.9	32.9	40.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	29.3	25.6	29.3	29.3	32.9
115°	25.6	21.9	21.9	25.6	29.3
117.5°	21.9	18.3	18.3	18.3	25.6
120°	21.9	18.3	14.6	14.6	21.9
122.5°	18.3	14.6	11.0	14.6	18.3
125°	14.6	11.0	7.3	11.0	14.6
127.5°	11.0	11.0	3.7	7.3	11.0
130°	11.0	7.3	3.7	7.3	7.3
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)