

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: P384363

Luminaire Tested: **24ID-60-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384363
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: 24ID-60-L835-CFD2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

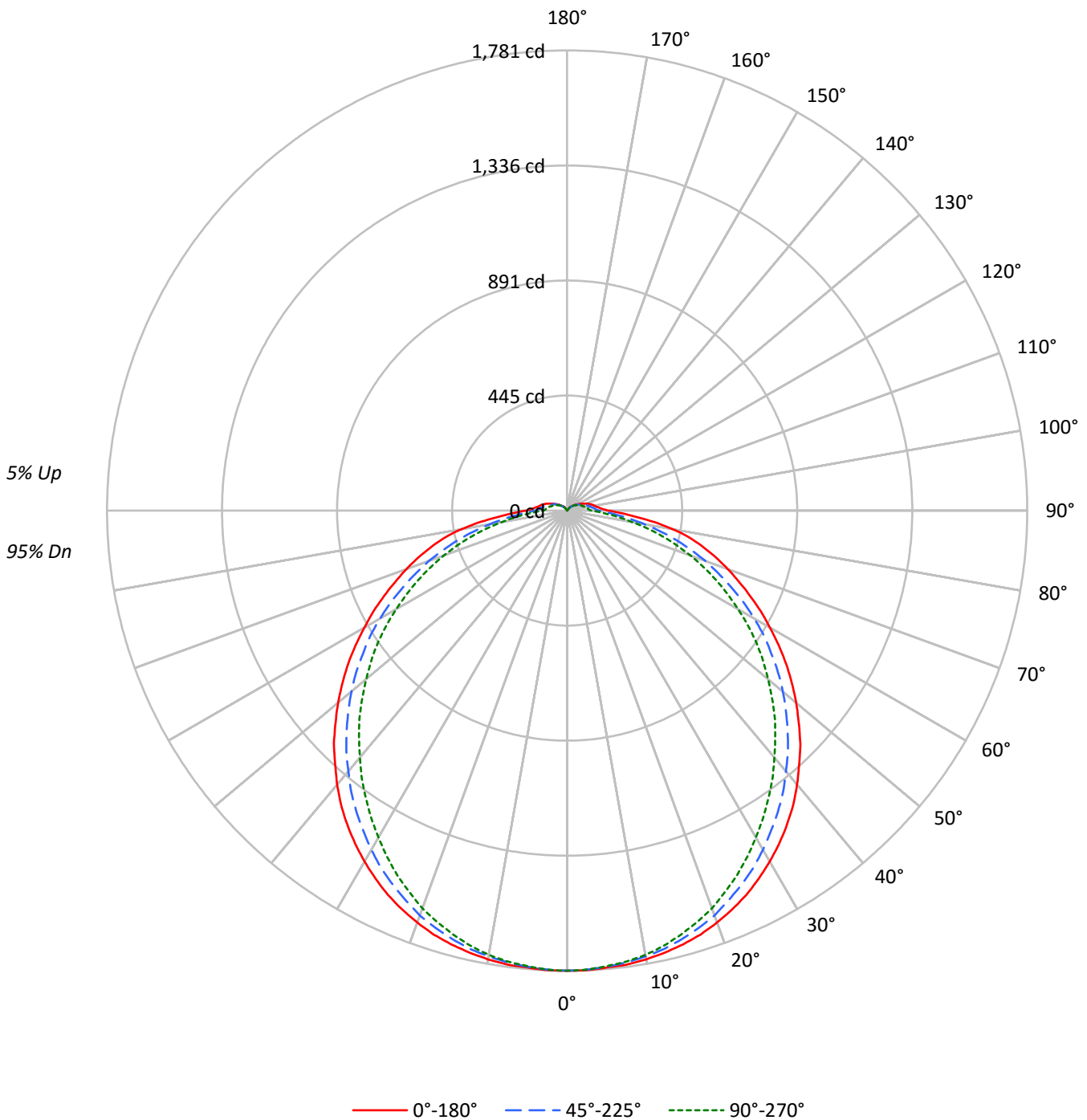
Lumens per Lamp: N/A
Luminaire Lumens: 5776.7 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 54.5
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°	2396	2396	2396
5°	2389	2375	2373
10°	2392	2357	2351
15°	2393	2336	2315
20°	2393	2313	2277
25°	2390	2278	2224
30°	2379	2241	2165
35°	2368	2200	2108
40°	2350	2154	2048
45°	2332	2110	1997
50°	2308	2065	1932
55°	2291	2010	1876
60°	2275	1952	1796
65°	2283	1872	1716
70°	2336	1799	1624
75°	2452	1698	1503
80°	2612	1565	1350
85°	2744	1478	1244



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	2.9
10°-20°	484.7	8.4
20°-30°	736.2	12.7
30°-40°	889.3	15.4
40°-50°	930.8	16.1
50°-60°	863.7	15.0
60°-70°	699.6	12.1
70°-80°	472.1	8.2
80°-90°	228.1	3.9
90°-100°	114.7	2.0
100°-110°	83.4	1.4
110°-120°	55.7	1.0
120°-130°	32.3	0.6
130°-140°	16.3	0.3
140°-150°	1.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1389.5	24.1
0°-40°	2278.8	39.4
0°-60°	4073.3	70.5
0°-90°	5473.0	94.7
90°-120°	253.9	4.4
90°-150°	303.7	5.3
90°-180°	304.0	5.3
0°-180°	5776.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1781	1781	1781	1781	1781	
5°	1775	1772	1772	1769	1769	169
15°	1737	1729	1717	1705	1699	491
25°	1641	1627	1597	1568	1557	756
35°	1484	1463	1422	1379	1358	928
45°	1277	1254	1207	1157	1137	984
55°	1035	1012	965	918	895	925
65°	781	752	700	662	636	775
75°	545	490	434	402	379	574
85°	262	227	192	175	157	248
90°	157	143	122	111	93	90
95°	125	117	105	93	82	98
105°	93	88	79	70	64	100
115°	64	58	58	50	50	64
125°	41	35	38	32	35	36
135°	23	20	20	20	23	18
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°	1781.1	1781.1	1781.1	1781.1	1781.1
2.5°	1781.1	1778.2	1778.2	1778.2	1778.2
5°	1775.2	1772.3	1772.3	1769.4	1769.4
7.5°	1772.3	1766.5	1763.6	1760.7	1760.7
10°	1763.6	1757.7	1751.9	1746.1	1746.1
12.5°	1751.9	1746.1	1737.3	1725.7	1725.7
15°	1737.3	1728.6	1716.9	1705.3	1699.4
17.5°	1719.9	1711.1	1693.6	1676.1	1670.3
20°	1696.5	1684.9	1667.4	1644.1	1638.2
22.5°	1670.3	1658.6	1632.4	1609.1	1597.4
25°	1641.1	1626.6	1597.4	1568.3	1556.6
27.5°	1606.2	1591.6	1559.5	1524.5	1510.0
30°	1568.3	1550.8	1515.8	1477.9	1460.4
32.5°	1527.5	1507.1	1469.2	1428.4	1410.9
35°	1483.7	1463.3	1422.5	1378.8	1358.4
37.5°	1437.1	1416.7	1373.0	1326.3	1305.9
40°	1384.6	1364.2	1317.6	1270.9	1247.6
42.5°	1329.2	1311.8	1265.1	1215.6	1192.2
45°	1276.8	1253.5	1206.8	1157.3	1136.9
47.5°	1215.6	1198.1	1148.5	1099.0	1075.6
50°	1157.3	1136.9	1090.2	1040.7	1014.4
52.5°	1096.0	1078.6	1029.0	979.4	956.1
55°	1034.8	1011.5	964.9	918.2	894.9
57.5°	970.7	950.3	903.7	859.9	830.8
60°	906.6	886.2	836.6	795.8	763.7
62.5°	845.4	822.0	769.6	725.8	699.6
65°	781.2	752.1	699.6	661.7	635.5
67.5°	720.0	685.0	632.6	597.6	571.3
70°	661.7	620.9	568.4	533.4	507.2
72.5°	603.4	553.9	498.5	466.4	443.1
75°	545.1	489.7	434.3	402.3	379.0
77.5°	486.8	422.7	367.3	341.1	317.7
80°	416.8	355.6	303.2	279.8	256.5
82.5°	338.1	288.6	244.9	221.5	204.1
85°	262.4	227.4	192.4	174.9	157.4
87.5°	204.1	177.8	151.6	137.0	122.4
90°	157.4	142.8	122.4	110.8	93.3
92.5°	137.0	125.3	110.8	99.1	84.5
95°	125.3	116.6	104.9	93.3	81.6
97.5°	113.7	107.9	96.2	87.5	75.8
100°	107.9	99.1	90.4	81.6	72.9
102.5°	102.0	93.3	84.5	75.8	70.0
105°	93.3	87.5	78.7	70.0	64.1
107.5°	87.5	78.7	72.9	64.1	61.2
110°	78.7	72.9	67.0	61.2	58.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	70.0	67.0	61.2	55.4	52.5
115°	64.1	58.3	58.3	49.6	49.6
117.5°	58.3	52.5	52.5	46.6	46.6
120°	49.6	46.6	46.6	40.8	40.8
122.5°	43.7	40.8	40.8	37.9	37.9
125°	40.8	35.0	37.9	32.1	35.0
127.5°	35.0	32.1	32.1	29.2	32.1
130°	29.2	26.2	26.2	26.2	29.2
132.5°	26.2	23.3	23.3	23.3	26.2
135°	23.3	20.4	20.4	20.4	23.3
137.5°	20.4	17.5	14.6	17.5	20.4
140°	17.5	14.6	11.7	14.6	17.5
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)