

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: P384139

Luminaire Tested: **22ID-55-L835-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384139
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: 22ID-55-L835-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

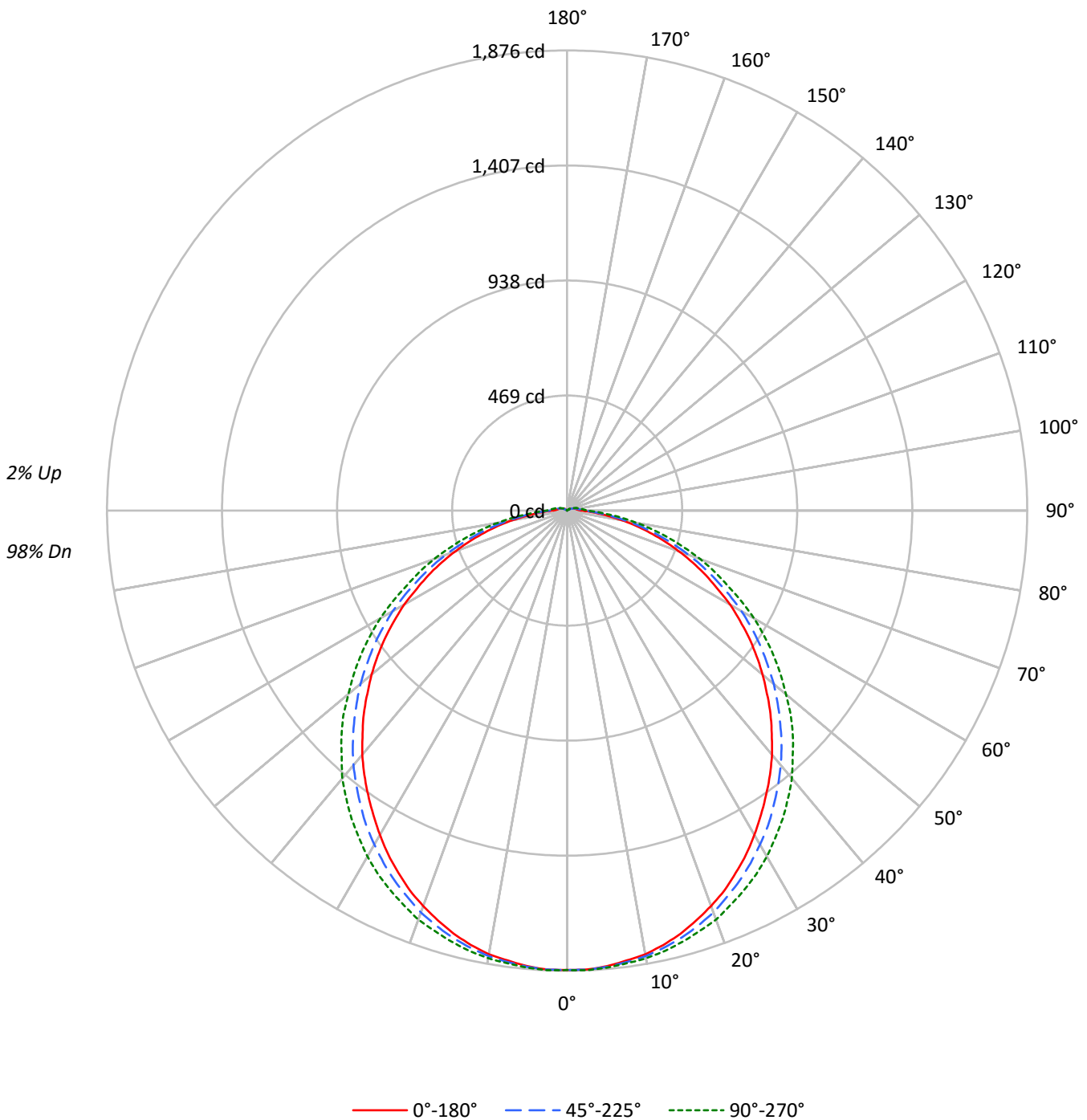
Lumens per Lamp: N/A
Luminaire Lumens: 5547.0 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 45.9
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°	5040	5040	5040
5°	5018	5018	5033
10°	4981	4989	5027
15°	4920	4944	5013
20°	4839	4888	5006
25°	4743	4811	4972
30°	4633	4724	4941
35°	4515	4631	4892
40°	4410	4537	4839
45°	4284	4417	4757
50°	4150	4301	4643
55°	4010	4162	4546
60°	3854	4011	4418
65°	3649	3784	4208
70°	3415	3561	4070
75°	3138	3260	3847
80°	2821	2908	3595
85°	2529	2594	3412



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.4	3.2
10°-20°	508.5	9.2
20°-30°	767.7	13.8
30°-40°	919.8	16.6
40°-50°	951.0	17.1
50°-60°	861.2	15.5
60°-70°	666.4	12.0
70°-80°	409.4	7.4
80°-90°	162.7	2.9
90°-100°	59.3	1.1
100°-110°	36.5	0.7
110°-120°	18.8	0.3
120°-130°	8.0	0.1
130°-140°	0.5	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°	1453.5	26.2
0°-40°	2373.3	42.8
0°-60°	4185.5	75.5
0°-90°	5423.9	97.8
90°-120°	114.6	2.1
90°-150°	123.1	2.2
90°-180°	123.0	2.2
0°-180°	5547.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1873	1873	1873	1873	1873	
5°	1864	1864	1867	1867	1870	177
15°	1786	1789	1803	1814	1820	503
25°	1628	1640	1665	1693	1707	750
35°	1414	1431	1468	1507	1533	886
45°	1173	1187	1229	1280	1302	904
55°	906	925	962	1004	1026	809
65°	624	638	669	703	720	618
75°	349	366	382	408	428	372
85°	121	129	141	155	163	120
90°	56	65	70	79	84	33
95°	42	48	53	59	65	34
105°	31	31	34	37	39	33
115°	20	17	17	20	22	20
125°	11	8	6	8	11	10
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°	1872.9	1872.9	1872.9	1872.9	1872.9
2.5°	1872.9	1870.1	1872.9	1872.9	1875.7
5°	1864.5	1864.5	1867.3	1867.3	1870.1
7.5°	1850.4	1850.4	1856.0	1858.9	1861.7
10°	1836.4	1836.4	1844.8	1847.6	1853.2
12.5°	1813.9	1816.7	1825.1	1833.6	1839.2
15°	1785.7	1788.6	1802.6	1813.9	1819.5
17.5°	1752.0	1757.6	1774.5	1791.4	1797.0
20°	1715.4	1723.9	1743.6	1763.2	1774.5
22.5°	1676.1	1681.7	1704.2	1729.5	1740.7
25°	1628.3	1639.5	1664.8	1692.9	1707.0
27.5°	1580.5	1591.7	1619.8	1653.6	1670.4
30°	1527.0	1538.3	1572.0	1608.6	1628.3
32.5°	1470.8	1484.8	1524.2	1560.8	1580.5
35°	1414.5	1431.4	1468.0	1507.3	1532.6
37.5°	1358.3	1372.4	1411.7	1453.9	1479.2
40°	1299.2	1313.3	1355.5	1397.7	1425.8
42.5°	1234.6	1251.4	1293.6	1338.6	1361.1
45°	1172.7	1186.7	1228.9	1279.5	1302.0
47.5°	1105.2	1124.9	1164.2	1212.1	1237.4
50°	1040.5	1057.4	1099.6	1144.6	1164.2
52.5°	973.0	989.9	1029.3	1074.3	1096.8
55°	905.5	925.2	961.8	1004.0	1026.5
57.5°	835.2	854.9	891.5	928.0	953.3
60°	767.7	787.4	821.2	857.7	880.2
62.5°	691.8	708.7	745.2	784.6	801.5
65°	624.3	638.4	669.3	703.0	719.9
67.5°	554.0	570.9	599.0	629.9	649.6
70°	483.7	503.4	525.9	554.0	576.5
72.5°	416.2	433.1	452.8	480.9	500.6
75°	348.7	365.6	382.5	407.8	427.5
77.5°	289.7	298.1	315.0	337.5	357.1
80°	225.0	236.2	250.3	272.8	286.8
82.5°	168.7	180.0	191.2	208.1	222.2
85°	120.9	129.4	140.6	154.7	163.1
87.5°	81.6	90.0	98.4	109.7	118.1
90°	56.2	64.7	70.3	78.7	84.4
92.5°	47.8	53.4	59.1	64.7	70.3
95°	42.2	47.8	53.4	59.1	64.7
97.5°	39.4	42.2	47.8	53.4	56.2
100°	36.6	39.4	42.2	47.8	50.6
102.5°	33.7	33.7	39.4	42.2	45.0
105°	30.9	30.9	33.7	36.6	39.4
107.5°	28.1	28.1	30.9	30.9	36.6
110°	25.3	22.5	25.3	25.3	30.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	22.5	19.7	22.5	22.5	25.3
115°	19.7	16.9	16.9	19.7	22.5
117.5°	16.9	14.1	14.1	14.1	19.7
120°	16.9	14.1	11.2	11.2	16.9
122.5°	14.1	11.2	8.4	11.2	14.1
125°	11.2	8.4	5.6	8.4	11.2
127.5°	8.4	8.4	2.8	5.6	8.4
130°	8.4	5.6	2.8	5.6	5.6
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)