

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: P384091

Luminaire Tested: **14ID-65-L835-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384091
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-65-L835-CFD1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

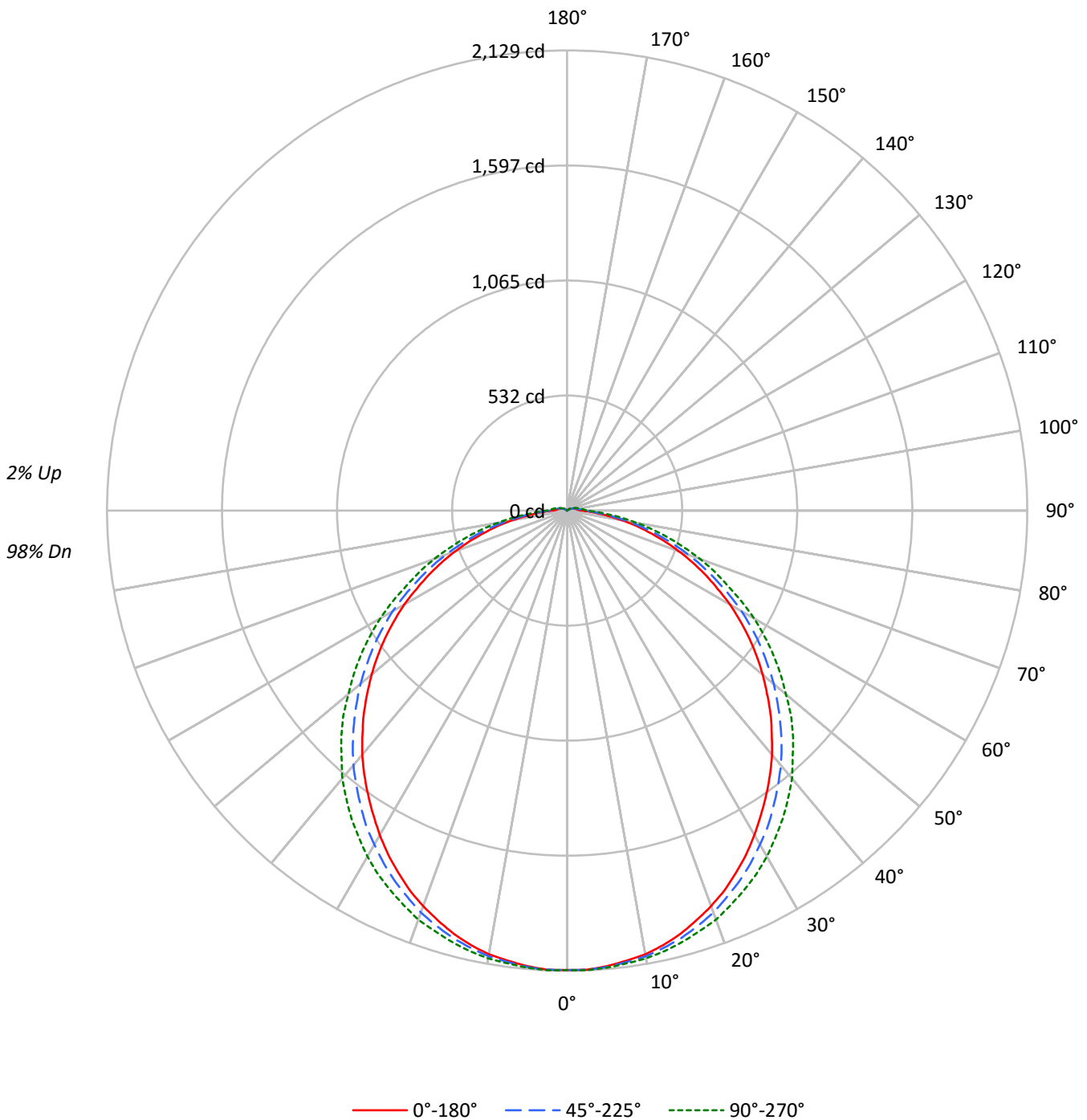
Lumens per Lamp: N/A
Luminaire Lumens: 6295.8 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 58.4
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°	5720	5720	5720
5°	5706	5688	5692
10°	5674	5648	5664
15°	5615	5590	5628
20°	5534	5519	5598
25°	5435	5424	5537
30°	5322	5318	5479
35°	5198	5205	5399
40°	5091	5090	5313
45°	4962	4944	5191
50°	4824	4803	5032
55°	4683	4634	4885
60°	4527	4449	4699
65°	4319	4178	4414
70°	4086	3906	4189
75°	3818	3541	3848
80°	3538	3106	3427
85°	3422	2676	2928



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.3	3.2
10°-20°	577.1	9.2
20°-30°	871.3	13.8
30°-40°	1044.0	16.6
40°-50°	1079.4	17.1
50°-60°	977.4	15.5
60°-70°	756.3	12.0
70°-80°	464.6	7.4
80°-90°	184.6	2.9
90°-100°	67.3	1.1
100°-110°	41.4	0.7
110°-120°	21.3	0.3
120°-130°	9.1	0.1
130°-140°	0.6	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°	1649.7	26.2
0°-40°	2693.7	42.8
0°-60°	4750.5	75.5
0°-90°	6156.1	97.8
90°-120°	130.0	2.1
90°-150°	139.7	2.2
90°-180°	140.0	2.2
0°-180°	6295.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2126	2126	2126	2126	2126	
5°	2116	2116	2119	2119	2123	201
15°	2027	2030	2046	2059	2065	571
25°	1848	1861	1890	1922	1937	852
35°	1606	1625	1666	1711	1740	1005
45°	1331	1347	1395	1452	1478	1026
55°	1028	1050	1092	1140	1165	918
65°	709	724	760	798	817	701
75°	396	415	434	463	485	422
85°	137	147	160	176	185	137
90°	64	73	80	89	96	38
95°	48	54	61	67	73	38
105°	35	35	38	42	45	37
115°	22	19	19	22	26	23
125°	13	10	6	10	13	12
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°	2125.8	2125.8	2125.8	2125.8	2125.8
2.5°	2125.8	2122.6	2125.8	2125.8	2128.9
5°	2116.2	2116.2	2119.4	2119.4	2122.6
7.5°	2100.2	2100.2	2106.6	2109.8	2113.0
10°	2084.3	2084.3	2093.8	2097.0	2103.4
12.5°	2058.7	2061.9	2071.5	2081.1	2087.4
15°	2026.8	2030.0	2046.0	2058.7	2065.1
17.5°	1988.5	1994.9	2014.0	2033.2	2039.6
20°	1947.0	1956.6	1978.9	2001.3	2014.0
22.5°	1902.3	1908.7	1934.2	1963.0	1975.7
25°	1848.1	1860.8	1889.6	1921.5	1937.4
27.5°	1793.8	1806.6	1838.5	1876.8	1895.9
30°	1733.2	1745.9	1784.2	1825.7	1848.1
32.5°	1669.3	1685.3	1730.0	1771.5	1793.8
35°	1605.5	1624.6	1666.1	1710.8	1739.5
37.5°	1541.6	1557.6	1602.3	1650.2	1678.9
40°	1474.6	1490.6	1538.5	1586.3	1618.3
42.5°	1401.2	1420.4	1468.2	1519.3	1544.8
45°	1331.0	1346.9	1394.8	1452.3	1477.8
47.5°	1254.4	1276.7	1321.4	1375.7	1404.4
50°	1181.0	1200.1	1248.0	1299.1	1321.4
52.5°	1104.4	1123.5	1168.2	1219.3	1244.8
55°	1027.8	1050.1	1091.6	1139.5	1165.0
57.5°	948.0	970.3	1011.8	1053.3	1082.0
60°	871.4	893.7	932.0	973.5	999.0
62.5°	785.2	804.3	845.8	890.5	909.7
65°	708.6	724.5	759.7	798.0	817.1
67.5°	628.8	647.9	679.9	715.0	737.3
70°	549.0	571.3	596.9	628.8	654.3
72.5°	472.4	491.5	513.9	545.8	568.1
75°	395.8	414.9	434.1	462.8	485.2
77.5°	328.8	338.3	357.5	383.0	405.4
80°	255.3	268.1	284.1	309.6	325.6
82.5°	191.5	204.3	217.0	236.2	252.2
85°	137.2	146.8	159.6	175.6	185.1
87.5°	92.6	102.1	111.7	124.5	134.1
90°	63.8	73.4	79.8	89.4	95.8
92.5°	54.3	60.6	67.0	73.4	79.8
95°	47.9	54.3	60.6	67.0	73.4
97.5°	44.7	47.9	54.3	60.6	63.8
100°	41.5	44.7	47.9	54.3	57.5
102.5°	38.3	38.3	44.7	47.9	51.1
105°	35.1	35.1	38.3	41.5	44.7
107.5°	31.9	31.9	35.1	35.1	41.5
110°	28.7	25.5	28.7	28.7	35.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	25.5	22.3	25.5	25.5	28.7
115°	22.3	19.2	19.2	22.3	25.5
117.5°	19.2	16.0	16.0	16.0	22.3
120°	19.2	16.0	12.8	12.8	19.2
122.5°	16.0	12.8	9.6	12.8	16.0
125°	12.8	9.6	6.4	9.6	12.8
127.5°	9.6	9.6	3.2	6.4	9.6
130°	9.6	6.4	3.2	6.4	6.4
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)