

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: P384653

Luminaire Tested: **22ID-65-L850-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-65-L850-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

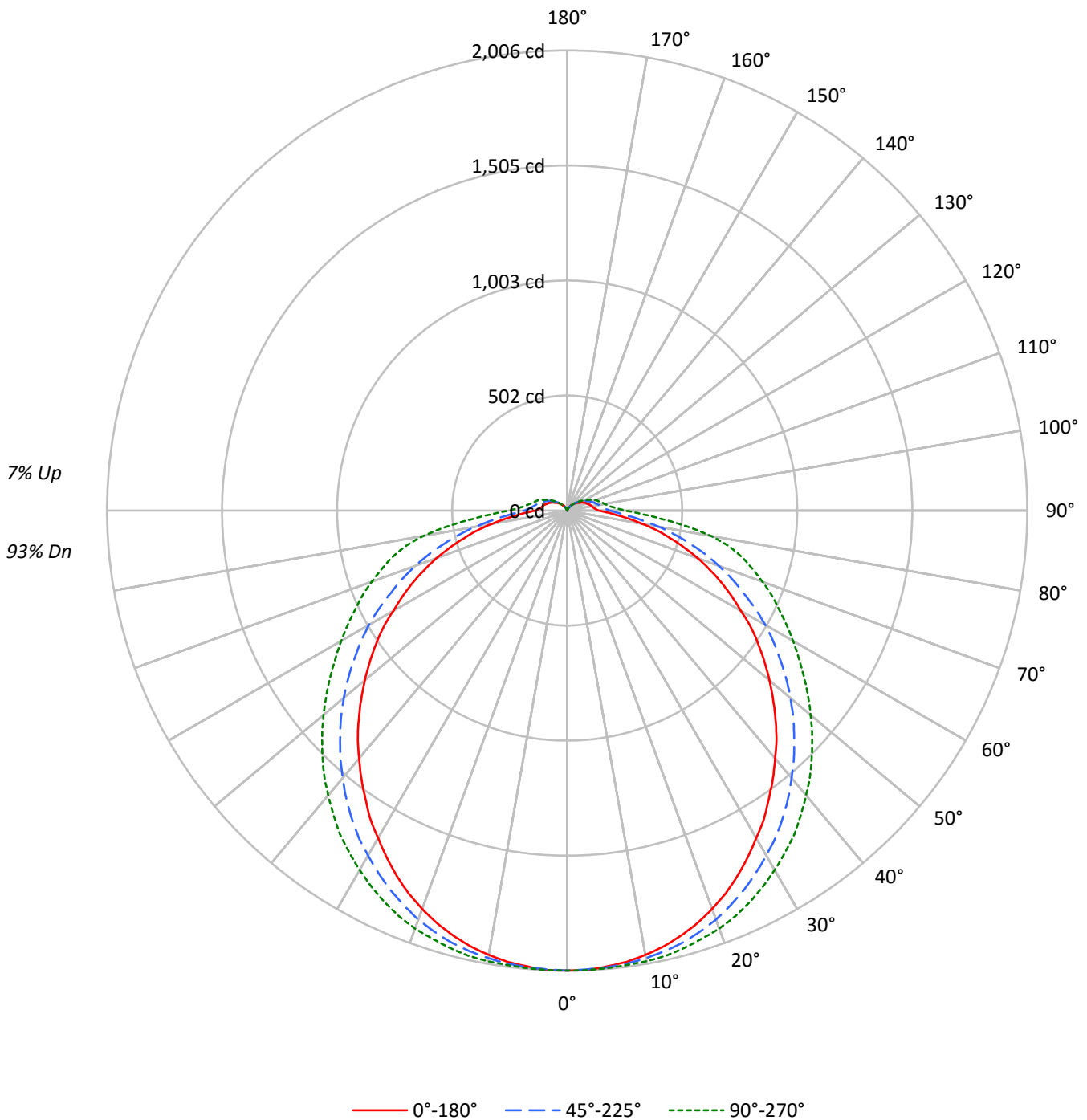
Lumens per Lamp: N/A
Luminaire Lumens: 7018.0 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 56.6
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5397	5397	5397
5°	5331	5316	5349
10°	5259	5249	5334
15°	5170	5186	5321
20°	5062	5104	5311
25°	4929	5002	5283
30°	4778	4895	5244
35°	4631	4788	5212
40°	4484	4657	5152
45°	4345	4528	5103
50°	4196	4393	5050
55°	4055	4248	5016
60°	3871	4110	5032
65°	3726	3911	5114
70°	3546	3726	5309
75°	3300	3464	5608
80°	3015	3142	5776
85°	2714	2755	5206



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.2	2.7
10°-20°	549.5	7.8
20°-30°	839.6	12.0
30°-40°	1022.0	14.6
40°-50°	1080.2	15.4
50°-60°	1019.6	14.5
60°-70°	857.8	12.2
70°-80°	618.5	8.8
80°-90°	326.2	4.6
90°-100°	174.6	2.5
100°-110°	132.6	1.9
110°-120°	96.2	1.4
120°-130°	60.4	0.9
130°-140°	32.6	0.5
140°-150°	14.2	0.2
150°-160°	3.8	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1579.2	22.5
0°-40°	2601.2	37.1
0°-60°	4701.0	67.0
0°-90°	6503.5	92.7
90°-120°	403.4	5.7
90°-150°	510.6	7.3
90°-180°	515.0	7.3
0°-180°	7018.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2006	2006	2006	2006	2006	
5°	1995	1995	1998	1998	2002	190
15°	1918	1925	1950	1964	1974	541
25°	1757	1778	1824	1866	1883	809
35°	1533	1568	1638	1701	1726	960
45°	1284	1323	1400	1477	1508	991
55°	1018	1064	1134	1218	1260	910
65°	742	784	847	952	1018	734
75°	466	504	553	662	791	494
85°	214	242	270	336	410	200
90°	136	161	186	220	252	78
95°	119	136	158	178	192	95
105°	102	112	126	140	147	106
115°	80	88	98	105	112	81
125°	60	60	70	70	74	54
135°	42	38	42	42	46	32
145°	24	21	21	21	24	16
155°	10	10	4	7	10	5
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°	2005.5	2005.5	2005.5	2005.5	2005.5
2.5°	2005.5	2002.0	2002.0	2002.0	2005.5
5°	1995.0	1995.0	1998.5	1998.5	2002.0
7.5°	1984.5	1984.5	1991.5	1995.0	1998.5
10°	1967.0	1970.5	1981.0	1988.0	1995.0
12.5°	1946.0	1949.5	1967.0	1981.0	1988.0
15°	1918.0	1925.0	1949.5	1963.5	1974.0
17.5°	1886.5	1897.0	1925.0	1946.0	1956.5
20°	1848.0	1862.0	1897.0	1925.0	1939.0
22.5°	1806.0	1820.0	1862.0	1897.0	1914.5
25°	1757.0	1778.0	1823.5	1865.5	1883.0
27.5°	1704.5	1729.0	1781.5	1830.5	1848.0
30°	1648.5	1676.5	1736.0	1788.5	1809.5
32.5°	1596.0	1624.0	1690.5	1746.5	1767.5
35°	1533.0	1568.0	1638.0	1701.0	1725.5
37.5°	1473.5	1508.5	1582.0	1648.5	1673.0
40°	1410.5	1445.5	1522.5	1596.0	1620.5
42.5°	1351.0	1386.0	1463.0	1540.0	1568.0
45°	1284.5	1323.0	1400.0	1477.0	1508.5
47.5°	1218.0	1256.5	1337.0	1417.5	1449.0
50°	1151.5	1193.5	1270.5	1351.0	1386.0
52.5°	1085.0	1127.0	1204.0	1288.0	1323.0
55°	1018.5	1064.0	1134.0	1218.0	1260.0
57.5°	952.0	997.5	1067.5	1155.0	1197.0
60°	875.0	927.5	997.5	1088.5	1137.5
62.5°	808.5	854.0	924.0	1018.5	1078.0
65°	742.0	784.0	847.0	952.0	1018.5
67.5°	672.0	717.5	777.0	875.0	966.0
70°	605.5	644.0	703.5	805.0	906.5
72.5°	535.5	574.0	630.0	735.0	847.0
75°	465.5	504.0	553.0	661.5	791.0
77.5°	402.5	434.0	479.5	584.5	724.5
80°	332.5	364.0	406.0	500.5	637.0
82.5°	269.5	297.5	332.5	416.5	525.0
85°	213.5	241.5	269.5	336.0	409.5
87.5°	171.5	192.5	220.5	269.5	318.5
90°	136.5	161.0	185.5	220.5	252.0
92.5°	126.0	147.0	168.0	196.0	217.0
95°	119.0	136.5	157.5	178.5	192.5
97.5°	112.0	129.5	147.0	168.0	178.5
100°	108.5	122.5	140.0	157.5	164.5
102.5°	105.0	115.5	133.0	147.0	157.5
105°	101.5	112.0	126.0	140.0	147.0
107.5°	94.5	105.0	119.0	133.0	140.0
110°	91.0	98.0	112.0	122.5	133.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	87.5	94.5	105.0	115.5	122.5
115°	80.5	87.5	98.0	105.0	112.0
117.5°	77.0	80.5	91.0	94.5	101.5
120°	70.0	73.5	84.0	87.5	91.0
122.5°	63.0	66.5	77.0	77.0	84.0
125°	59.5	59.5	70.0	70.0	73.5
127.5°	56.0	56.0	63.0	63.0	66.5
130°	49.0	49.0	56.0	56.0	56.0
132.5°	45.5	42.0	49.0	49.0	52.5
135°	42.0	38.5	42.0	42.0	45.5
137.5°	35.0	35.0	38.5	35.0	38.5
140°	31.5	28.0	31.5	31.5	35.0
142.5°	28.0	24.5	28.0	24.5	28.0
145°	24.5	21.0	21.0	21.0	24.5
147.5°	21.0	17.5	17.5	17.5	21.0
150°	17.5	14.0	14.0	14.0	17.5
152.5°	14.0	10.5	7.0	10.5	14.0
155°	10.5	10.5	3.5	7.0	10.5
157.5°	7.0	7.0	0.0	3.5	7.0
160°	3.5	3.5	0.0	3.5	3.5
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)