

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: P384318

Luminaire Tested: **22ID-70-L830-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384318
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: 22ID-70-L830-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

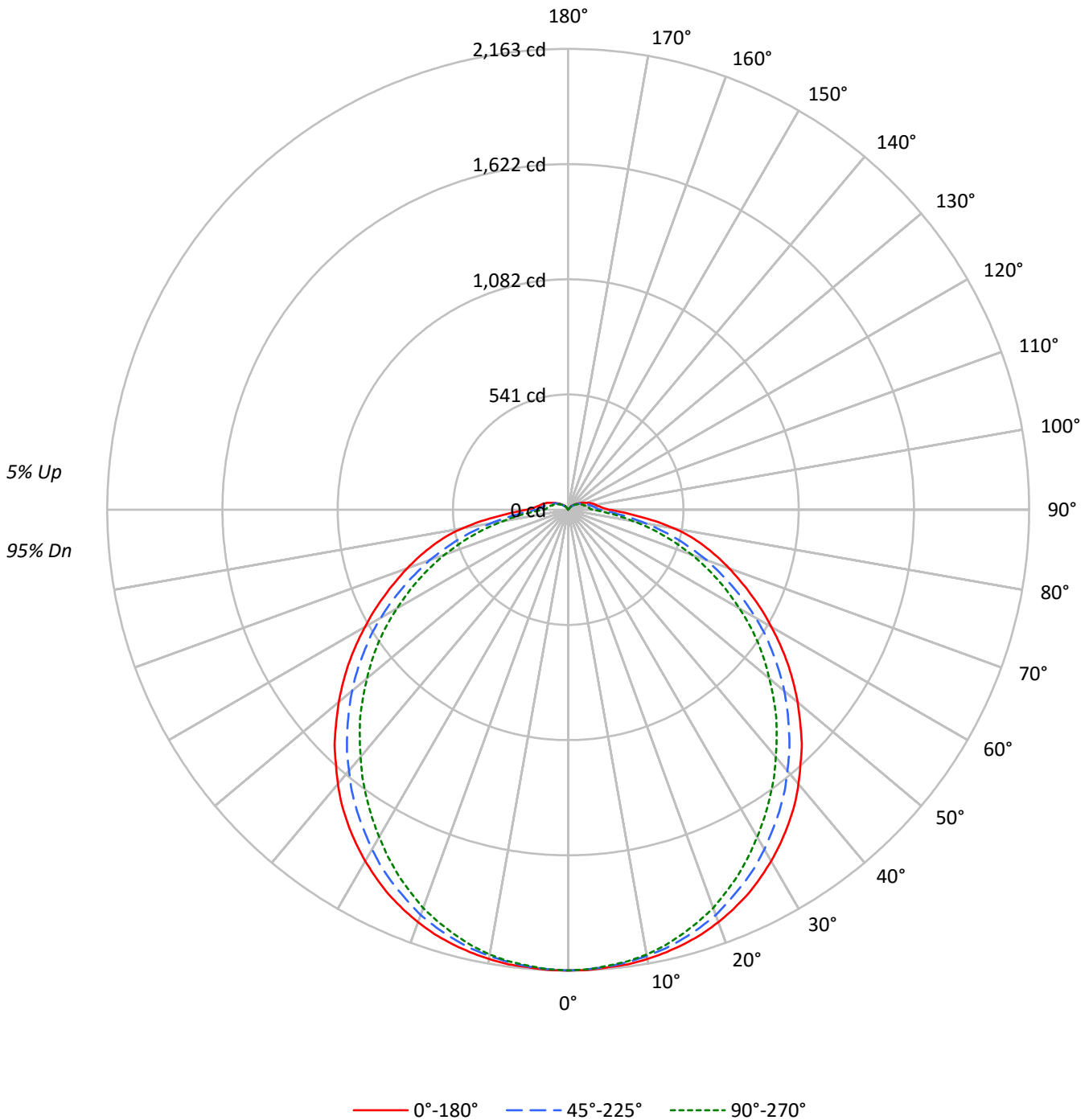
Lumens per Lamp: N/A
Luminaire Lumens: 7014.5 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 61.1
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	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°	5820	5820	5820
5°	5781	5754	5762
10°	5767	5694	5710
15°	5749	5630	5623
20°	5726	5560	5529
25°	5696	5459	5402
30°	5646	5355	5257
35°	5592	5242	5120
40°	5520	5114	4974
45°	5446	4989	4849
50°	5351	4859	4691
55°	5268	4705	4556
60°	5177	4541	4362
65°	5124	4318	4168
70°	5144	4102	3943
75°	5249	3808	3649
80°	5327	3419	3278
85°	5038	3073	3022



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.7	2.9
10°-20°	588.6	8.4
20°-30°	894.0	12.7
30°-40°	1079.8	15.4
40°-50°	1130.2	16.1
50°-60°	1048.7	15.0
60°-70°	849.5	12.1
70°-80°	573.2	8.2
80°-90°	277.0	3.9
90°-100°	139.3	2.0
100°-110°	101.3	1.4
110°-120°	67.7	1.0
120°-130°	39.2	0.6
130°-140°	19.8	0.3
140°-150°	1.5	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1687.3	24.1
0°-40°	2767.1	39.4
0°-60°	4946.0	70.5
0°-90°	6645.7	94.7
90°-120°	308.3	4.4
90°-150°	368.8	5.3
90°-180°	369.0	5.3
0°-180°	7014.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2163	2163	2163	2163	2163	
5°	2156	2152	2152	2148	2148	205
15°	2110	2099	2085	2071	2064	596
25°	1993	1975	1940	1904	1890	918
35°	1802	1777	1727	1674	1650	1127
45°	1550	1522	1465	1405	1380	1194
55°	1257	1228	1172	1115	1087	1123
65°	949	913	850	804	772	941
75°	662	595	527	488	460	697
85°	319	276	234	212	191	301
90°	191	173	149	134	113	109
95°	152	142	127	113	99	120
105°	113	106	96	85	78	121
115°	78	71	71	60	60	78
125°	50	42	46	39	42	43
135°	28	25	25	25	28	22
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°	2162.7	2162.7	2162.7	2162.7	2162.7
2.5°	2162.7	2159.2	2159.2	2159.2	2159.2
5°	2155.6	2152.1	2152.1	2148.5	2148.5
7.5°	2152.1	2145.0	2141.5	2137.9	2137.9
10°	2141.5	2134.4	2127.3	2120.2	2120.2
12.5°	2127.3	2120.2	2109.6	2095.4	2095.4
15°	2109.6	2099.0	2084.8	2070.7	2063.6
17.5°	2088.4	2077.8	2056.5	2035.3	2028.2
20°	2060.1	2045.9	2024.7	1996.3	1989.3
22.5°	2028.2	2014.0	1982.2	1953.9	1939.7
25°	1992.8	1975.1	1939.7	1904.3	1890.2
27.5°	1950.3	1932.6	1893.7	1851.2	1833.5
30°	1904.3	1883.1	1840.6	1794.6	1773.3
32.5°	1854.8	1830.0	1784.0	1734.4	1713.2
35°	1801.7	1776.9	1727.3	1674.2	1649.5
37.5°	1745.0	1720.3	1667.2	1610.5	1585.7
40°	1681.3	1656.5	1599.9	1543.3	1515.0
42.5°	1614.1	1592.8	1536.2	1476.0	1447.7
45°	1550.3	1522.0	1465.4	1405.2	1380.4
47.5°	1476.0	1454.8	1394.6	1334.4	1306.1
50°	1405.2	1380.4	1323.8	1263.6	1231.8
52.5°	1330.9	1309.7	1249.5	1189.3	1161.0
55°	1256.6	1228.2	1171.6	1115.0	1086.7
57.5°	1178.7	1153.9	1097.3	1044.2	1008.8
60°	1100.8	1076.0	1015.9	966.3	927.4
62.5°	1026.5	998.2	934.5	881.4	849.5
65°	948.6	913.2	849.5	803.5	771.6
67.5°	874.3	831.8	768.1	725.6	693.8
70°	803.5	753.9	690.2	647.7	615.9
72.5°	732.7	672.5	605.3	566.3	538.0
75°	661.9	594.7	527.4	488.5	460.1
77.5°	591.1	513.2	446.0	414.1	385.8
80°	506.2	431.8	368.1	339.8	311.5
82.5°	410.6	350.4	297.3	269.0	247.8
85°	318.6	276.1	233.6	212.4	191.1
87.5°	247.8	215.9	184.1	166.4	148.7
90°	191.1	173.4	148.7	134.5	113.3
92.5°	166.4	152.2	134.5	120.3	102.6
95°	152.2	141.6	127.4	113.3	99.1
97.5°	138.0	131.0	116.8	106.2	92.0
100°	131.0	120.3	109.7	99.1	88.5
102.5°	123.9	113.3	102.6	92.0	85.0
105°	113.3	106.2	95.6	85.0	77.9
107.5°	106.2	95.6	88.5	77.9	74.3
110°	95.6	88.5	81.4	74.3	70.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	85.0	81.4	74.3	67.3	63.7
115°	77.9	70.8	70.8	60.2	60.2
117.5°	70.8	63.7	63.7	56.6	56.6
120°	60.2	56.6	56.6	49.6	49.6
122.5°	53.1	49.6	49.6	46.0	46.0
125°	49.6	42.5	46.0	38.9	42.5
127.5°	42.5	38.9	38.9	35.4	38.9
130°	35.4	31.9	31.9	31.9	35.4
132.5°	31.9	28.3	28.3	28.3	31.9
135°	28.3	24.8	24.8	24.8	28.3
137.5°	24.8	21.2	17.7	21.2	24.8
140°	21.2	17.7	14.2	17.7	21.2
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)