

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: P384316

Luminaire Tested: **22ID-65-L840-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384316
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-65-L840-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

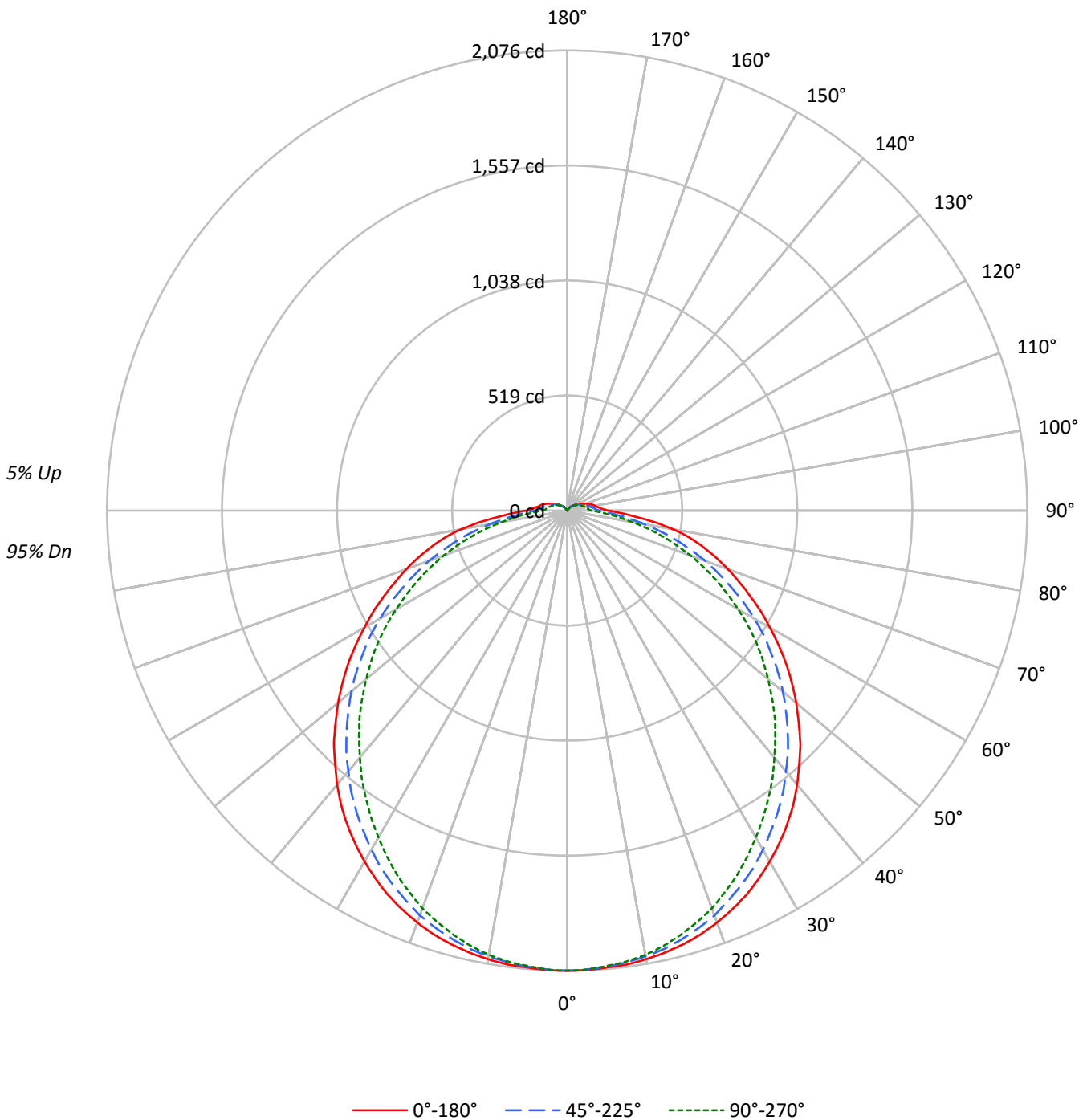
Lumens per Lamp: N/A
Luminaire Lumens: 6733.4 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 56.6
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°	5586	5586	5586
5°	5549	5523	5531
10°	5536	5466	5481
15°	5519	5405	5398
20°	5496	5337	5307
25°	5467	5241	5186
30°	5419	5140	5047
35°	5368	5032	4915
40°	5299	4909	4774
45°	5228	4789	4655
50°	5137	4665	4503
55°	5057	4516	4373
60°	4970	4359	4187
65°	4919	4145	4001
70°	4938	3938	3785
75°	5039	3656	3503
80°	5113	3283	3146
85°	4836	2951	2902



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.5	2.9
10°-20°	565.0	8.4
20°-30°	858.2	12.7
30°-40°	1036.6	15.4
40°-50°	1084.9	16.1
50°-60°	1006.7	15.0
60°-70°	815.4	12.1
70°-80°	550.3	8.2
80°-90°	265.9	3.9
90°-100°	133.7	2.0
100°-110°	97.2	1.4
110°-120°	65.0	1.0
120°-130°	37.7	0.6
130°-140°	19.0	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°	1619.6	24.1
0°-40°	2656.2	39.4
0°-60°	4747.8	70.5
0°-90°	6379.4	94.7
90°-120°	295.9	4.4
90°-150°	354.1	5.3
90°-180°	354.0	5.3
0°-180°	6733.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2076	2076	2076	2076	2076	
5°	2069	2066	2066	2062	2062	197
15°	2025	2015	2001	1988	1981	572
25°	1913	1896	1862	1828	1814	881
35°	1730	1706	1658	1607	1583	1082
45°	1488	1461	1407	1349	1325	1146
55°	1206	1179	1125	1070	1043	1078
65°	911	877	816	771	741	904
75°	635	571	506	469	442	669
85°	306	265	224	204	184	289
90°	184	166	143	129	109	105
95°	146	136	122	109	95	115
105°	109	102	92	82	75	116
115°	75	68	68	58	58	74
125°	48	41	44	37	41	42
135°	27	24	24	24	27	21
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°	2076.0	2076.0	2076.0	2076.0	2076.0
2.5°	2076.0	2072.6	2072.6	2072.6	2072.6
5°	2069.2	2065.8	2065.8	2062.4	2062.4
7.5°	2065.8	2059.0	2055.6	2052.2	2052.2
10°	2055.6	2048.9	2042.1	2035.3	2035.3
12.5°	2042.1	2035.3	2025.1	2011.5	2011.5
15°	2025.1	2014.9	2001.3	1987.7	1980.9
17.5°	2004.7	1994.5	1974.1	1953.7	1946.9
20°	1977.5	1963.9	1943.5	1916.3	1909.5
22.5°	1946.9	1933.3	1902.7	1875.6	1862.0
25°	1912.9	1896.0	1862.0	1828.0	1814.4
27.5°	1872.2	1855.2	1817.8	1777.0	1760.0
30°	1828.0	1807.6	1766.8	1722.7	1702.3
32.5°	1780.4	1756.6	1712.5	1664.9	1644.5
35°	1729.5	1705.7	1658.1	1607.1	1583.4
37.5°	1675.1	1651.3	1600.3	1546.0	1522.2
40°	1613.9	1590.2	1535.8	1481.4	1454.2
42.5°	1549.4	1529.0	1474.6	1416.9	1389.7
45°	1488.2	1461.0	1406.7	1348.9	1325.1
47.5°	1416.9	1396.5	1338.7	1281.0	1253.8
50°	1348.9	1325.1	1270.8	1213.0	1182.4
52.5°	1277.6	1257.2	1199.4	1141.6	1114.5
55°	1206.2	1179.0	1124.7	1070.3	1043.1
57.5°	1131.5	1107.7	1053.3	1002.3	968.4
60°	1056.7	1032.9	975.2	927.6	890.2
62.5°	985.4	958.2	897.0	846.0	815.5
65°	910.6	876.6	815.5	771.3	740.7
67.5°	839.2	798.5	737.3	696.5	666.0
70°	771.3	723.7	662.6	621.8	591.2
72.5°	703.3	645.6	581.0	543.6	516.5
75°	635.4	570.8	506.3	468.9	441.7
77.5°	567.4	492.7	428.1	397.5	370.4
80°	485.9	414.5	353.4	326.2	299.0
82.5°	394.1	336.4	285.4	258.2	237.8
85°	305.8	265.0	224.3	203.9	183.5
87.5°	237.8	207.3	176.7	159.7	142.7
90°	183.5	166.5	142.7	129.1	108.7
92.5°	159.7	146.1	129.1	115.5	98.5
95°	146.1	135.9	122.3	108.7	95.1
97.5°	132.5	125.7	112.1	101.9	88.3
100°	125.7	115.5	105.3	95.1	84.9
102.5°	118.9	108.7	98.5	88.3	81.5
105°	108.7	101.9	91.7	81.5	74.8
107.5°	101.9	91.7	84.9	74.8	71.4
110°	91.7	84.9	78.1	71.4	68.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	81.5	78.1	71.4	64.6	61.2
115°	74.8	68.0	68.0	57.8	57.8
117.5°	68.0	61.2	61.2	54.4	54.4
120°	57.8	54.4	54.4	47.6	47.6
122.5°	51.0	47.6	47.6	44.2	44.2
125°	47.6	40.8	44.2	37.4	40.8
127.5°	40.8	37.4	37.4	34.0	37.4
130°	34.0	30.6	30.6	30.6	34.0
132.5°	30.6	27.2	27.2	27.2	30.6
135°	27.2	23.8	23.8	23.8	27.2
137.5°	23.8	20.4	17.0	20.4	23.8
140°	20.4	17.0	13.6	17.0	20.4
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)