

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: P384260

Luminaire Tested: **14ID-65-L840-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384260  
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: 14ID-65-L840-CFD2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

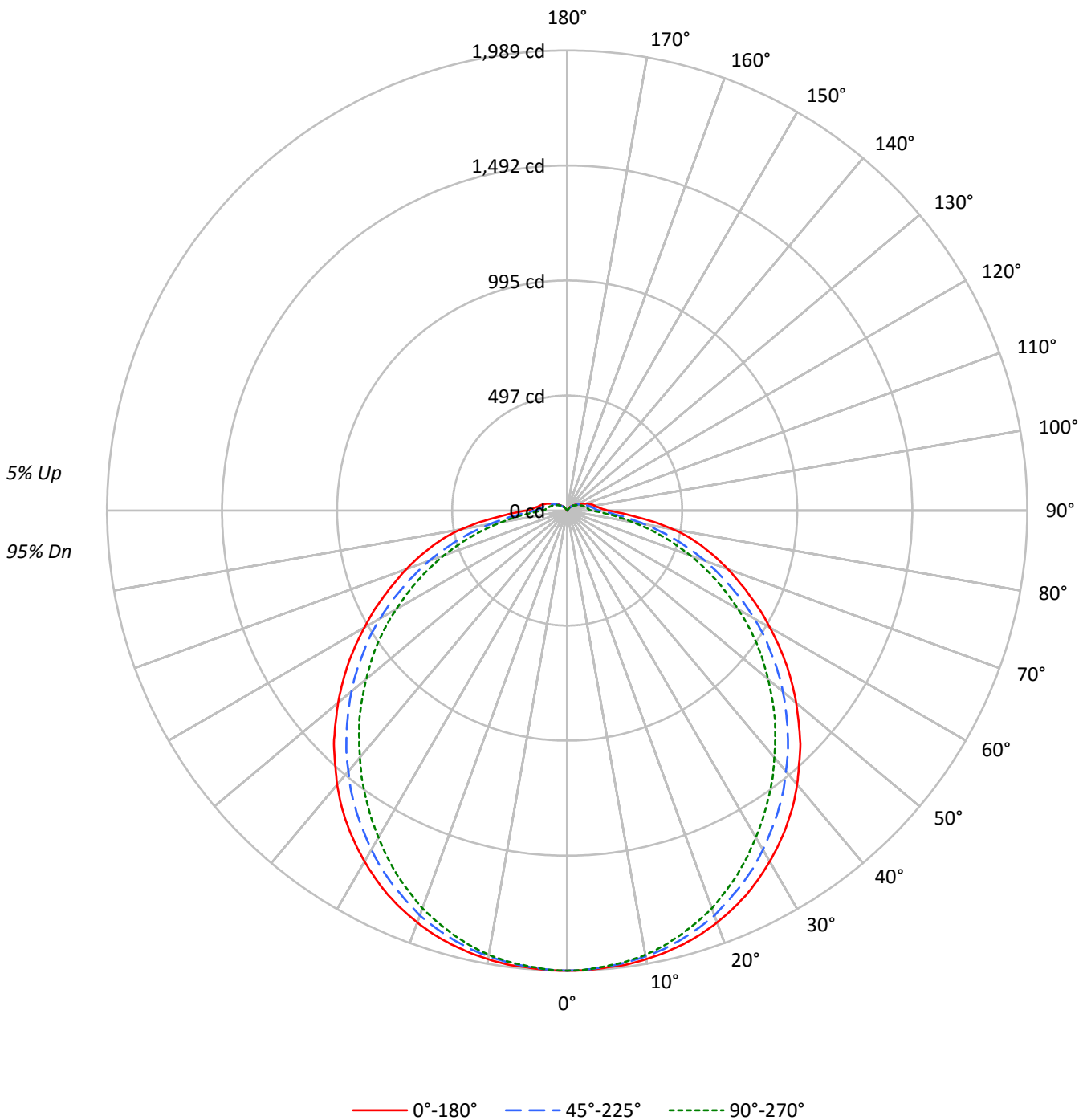
Lumens per Lamp: N/A  
Luminaire Lumens: 6451.2 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 58.4  
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°	5352	5352	5352
5°	5336	5279	5261
10°	5342	5211	5176
15°	5346	5139	5061
20°	5344	5061	4939
25°	5338	4956	4789
30°	5314	4848	4623
35°	5289	4731	4463
40°	5248	4600	4294
45°	5209	4470	4141
50°	5155	4336	3957
55°	5118	4176	3787
60°	5082	4006	3562
65°	5099	3781	3329
70°	5217	3555	3057
75°	5478	3254	2713
80°	5835	2859	2282
85°	6128	2472	1868



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	188.2	2.9
10°-20°	541.3	8.4
20°-30°	822.2	12.7
30°-40°	993.1	15.4
40°-50°	1039.4	16.1
50°-60°	964.5	15.0
60°-70°	781.2	12.1
70°-80°	527.2	8.2
80°-90°	254.7	3.9
90°-100°	128.1	2.0
100°-110°	93.1	1.4
110°-120°	62.3	1.0
120°-130°	36.1	0.6
130°-140°	18.2	0.3
140°-150°	1.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1551.8	24.1
0°-40°	2544.9	39.4
0°-60°	4548.8	70.5
0°-90°	6112.0	94.7
90°-120°	283.5	4.4
90°-150°	339.2	5.3
90°-180°	339.0	5.3
0°-180°	6451.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1989	1989	1989	1989	1989	
5°	1982	1979	1979	1976	1976	189
15°	1940	1930	1917	1904	1898	548
25°	1833	1816	1784	1751	1738	845
35°	1657	1634	1589	1540	1517	1037
45°	1426	1400	1348	1292	1270	1098
55°	1156	1130	1078	1025	999	1033
65°	872	840	781	739	710	866
75°	609	547	485	449	423	641
85°	293	254	215	195	176	277
90°	176	160	137	124	104	100
95°	140	130	117	104	91	110
105°	104	98	88	78	72	111
115°	72	65	65	55	55	71
125°	46	39	42	36	39	40
135°	26	23	23	23	26	20
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°	1989.0	1989.0	1989.0	1989.0	1989.0
2.5°	1989.0	1985.8	1985.8	1985.8	1985.8
5°	1982.5	1979.3	1979.3	1976.0	1976.0
7.5°	1979.3	1972.7	1969.5	1966.2	1966.2
10°	1969.5	1963.0	1956.5	1950.0	1950.0
12.5°	1956.5	1950.0	1940.2	1927.2	1927.2
15°	1940.2	1930.4	1917.4	1904.4	1897.9
17.5°	1920.7	1910.9	1891.4	1871.8	1865.3
20°	1894.6	1881.6	1862.1	1836.0	1829.5
22.5°	1865.3	1852.3	1823.0	1797.0	1783.9
25°	1832.8	1816.5	1783.9	1751.4	1738.4
27.5°	1793.7	1777.4	1741.6	1702.6	1686.3
30°	1751.4	1731.9	1692.8	1650.5	1630.9
32.5°	1705.8	1683.0	1640.7	1595.1	1575.6
35°	1657.0	1634.2	1588.6	1539.8	1517.0
37.5°	1604.9	1582.1	1533.3	1481.2	1458.4
40°	1546.3	1523.5	1471.4	1419.3	1393.3
42.5°	1484.4	1464.9	1412.8	1357.5	1331.4
45°	1425.8	1399.8	1347.7	1292.4	1269.6
47.5°	1357.5	1338.0	1282.6	1227.3	1201.2
50°	1292.4	1269.6	1217.5	1162.2	1132.9
52.5°	1224.0	1204.5	1149.1	1093.8	1067.8
55°	1155.7	1129.6	1077.5	1025.4	999.4
57.5°	1084.0	1061.2	1009.2	960.3	927.8
60°	1012.4	989.6	934.3	888.7	852.9
62.5°	944.1	918.0	859.4	810.6	781.3
65°	872.4	839.9	781.3	739.0	709.7
67.5°	804.1	765.0	706.4	667.3	638.1
70°	739.0	693.4	634.8	595.7	566.4
72.5°	673.9	618.5	556.7	520.9	494.8
75°	608.8	546.9	485.0	449.2	423.2
77.5°	543.6	472.0	410.2	380.9	354.8
80°	465.5	397.2	338.6	312.5	286.5
82.5°	377.6	322.3	273.5	247.4	227.9
85°	293.0	253.9	214.9	195.3	175.8
87.5°	227.9	198.6	169.3	153.0	136.7
90°	175.8	159.5	136.7	123.7	104.2
92.5°	153.0	140.0	123.7	110.7	94.4
95°	140.0	130.2	117.2	104.2	91.2
97.5°	127.0	120.4	107.4	97.7	84.6
100°	120.4	110.7	100.9	91.2	81.4
102.5°	113.9	104.2	94.4	84.6	78.1
105°	104.2	97.7	87.9	78.1	71.6
107.5°	97.7	87.9	81.4	71.6	68.4
110°	87.9	81.4	74.9	68.4	65.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	78.1	74.9	68.4	61.9	58.6
115°	71.6	65.1	65.1	55.3	55.3
117.5°	65.1	58.6	58.6	52.1	52.1
120°	55.3	52.1	52.1	45.6	45.6
122.5°	48.8	45.6	45.6	42.3	42.3
125°	45.6	39.1	42.3	35.8	39.1
127.5°	39.1	35.8	35.8	32.6	35.8
130°	32.6	29.3	29.3	29.3	32.6
132.5°	29.3	26.0	26.0	26.0	29.3
135°	26.0	22.8	22.8	22.8	26.0
137.5°	22.8	19.5	16.3	19.5	22.8
140°	19.5	16.3	13.0	16.3	19.5
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)