

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: P384148

Luminaire Tested: **22ID-65-L840-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384148  
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: 22ID-65-L840-CFD1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

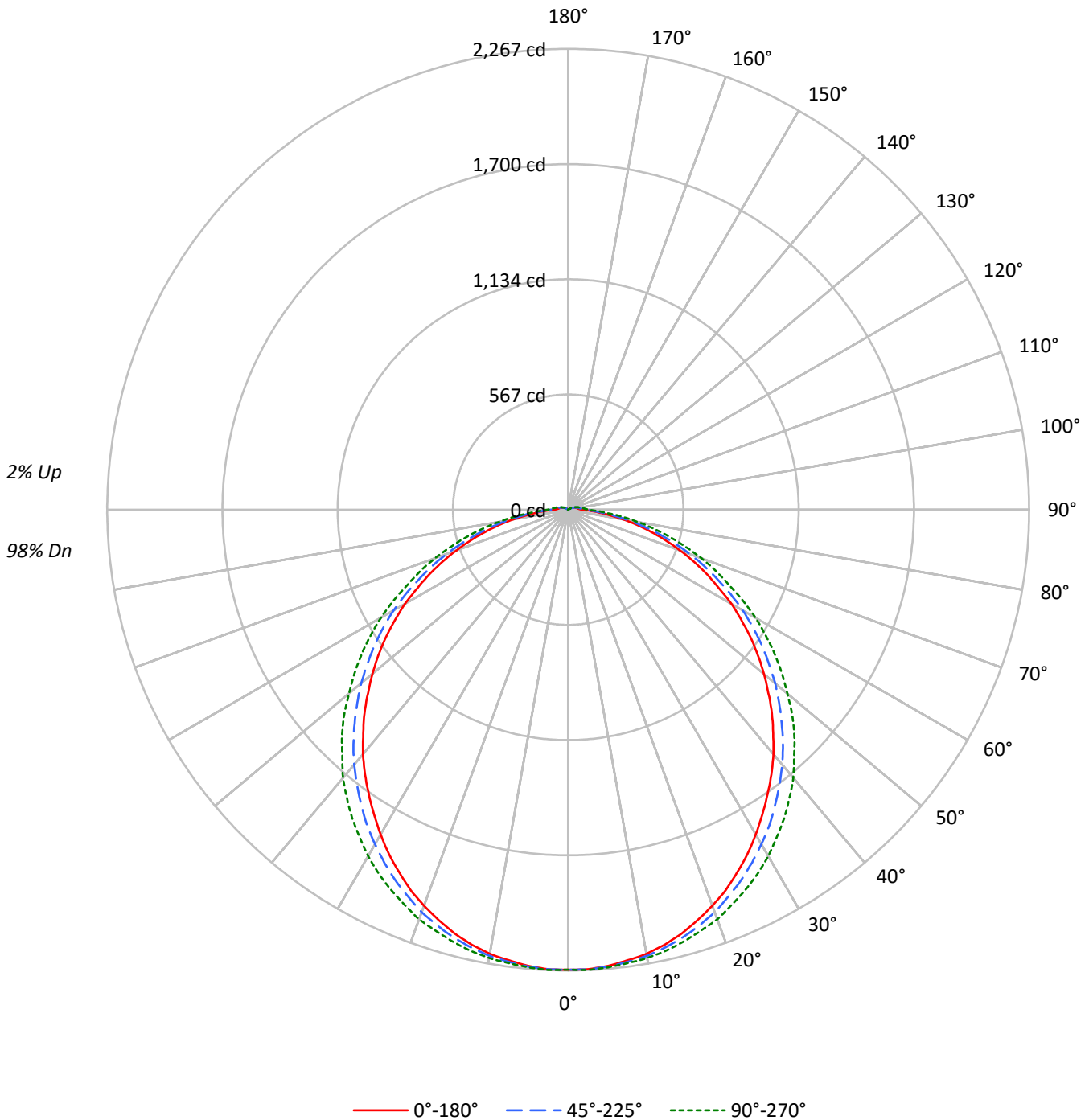
Lumens per Lamp: N/A  
Luminaire Lumens: 6703.0 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 56.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



TEST NUMBER: P384148  
CATALOG NUMBER: 22ID-65-L840-CFD1

### 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°	6090	6090	6090
5°	6064	6064	6082
10°	6019	6029	6075
15°	5945	5974	6057
20°	5847	5907	6049
25°	5731	5813	6008
30°	5599	5708	5970
35°	5456	5597	5912
40°	5329	5483	5848
45°	5177	5337	5748
50°	5015	5198	5611
55°	4845	5029	5492
60°	4657	4846	5339
65°	4410	4572	5085
70°	4127	4304	4918
75°	3792	3940	4648
80°	3408	3513	4345
85°	3056	3135	4123



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.3	3.2
10°-20°	614.4	9.2
20°-30°	927.6	13.8
30°-40°	1111.5	16.6
40°-50°	1149.1	17.1
50°-60°	1040.6	15.5
60°-70°	805.3	12.0
70°-80°	494.7	7.4
80°-90°	196.5	2.9
90°-100°	71.7	1.1
100°-110°	44.1	0.7
110°-120°	22.7	0.3
120°-130°	9.7	0.1
130°-140°	0.7	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°	1756.4	26.2
0°-40°	2867.9	42.8
0°-60°	5057.7	75.5
0°-90°	6554.1	97.8
90°-120°	138.5	2.1
90°-150°	148.8	2.2
90°-180°	149.0	2.2
0°-180°	6703.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2263	2263	2263	2263	2263	
5°	2253	2253	2256	2256	2260	214
15°	2158	2161	2178	2192	2199	608
25°	1968	1981	2012	2046	2063	907
35°	1709	1730	1774	1821	1852	1070
45°	1417	1434	1485	1546	1573	1092
55°	1094	1118	1162	1213	1240	978
65°	754	771	809	850	870	746
75°	421	442	462	493	516	449
85°	146	156	170	187	197	146
90°	68	78	85	95	102	40
95°	51	58	65	71	78	41
105°	37	37	41	44	48	40
115°	24	20	20	24	27	24
125°	14	10	7	10	14	13
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



TEST NUMBER: P384148

CATALOG NUMBER: 22ID-65-L840-CFD1

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2263.2	2263.2	2263.2	2263.2	2263.2
2.5°	2263.2	2259.8	2263.2	2263.2	2266.6
5°	2253.0	2253.0	2256.4	2256.4	2259.8
7.5°	2236.0	2236.0	2242.8	2246.2	2249.6
10°	2219.0	2219.0	2229.2	2232.6	2239.4
12.5°	2191.8	2195.2	2205.4	2215.6	2222.4
15°	2157.9	2161.3	2178.3	2191.8	2198.6
17.5°	2117.1	2123.9	2144.3	2164.7	2171.5
20°	2072.9	2083.1	2106.9	2130.7	2144.3
22.5°	2025.3	2032.1	2059.3	2089.9	2103.5
25°	1967.6	1981.2	2011.7	2045.7	2062.7
27.5°	1909.8	1923.4	1957.4	1998.1	2018.5
30°	1845.2	1858.8	1899.6	1943.8	1967.6
32.5°	1777.3	1794.3	1841.8	1886.0	1909.8
35°	1709.3	1729.7	1773.9	1821.4	1852.0
37.5°	1641.3	1658.3	1705.9	1756.9	1787.5
40°	1570.0	1587.0	1637.9	1688.9	1722.9
42.5°	1491.8	1512.2	1563.2	1617.5	1644.7
45°	1417.1	1434.0	1485.0	1546.2	1573.4
47.5°	1335.5	1359.3	1406.9	1464.6	1495.2
50°	1257.3	1277.7	1328.7	1383.1	1406.9
52.5°	1175.8	1196.2	1243.7	1298.1	1325.3
55°	1094.2	1118.0	1162.2	1213.2	1240.3
57.5°	1009.3	1033.1	1077.2	1121.4	1152.0
60°	927.7	951.5	992.3	1036.5	1063.6
62.5°	836.0	856.3	900.5	948.1	968.5
65°	754.4	771.4	808.8	849.6	869.9
67.5°	669.4	689.8	723.8	761.2	785.0
70°	584.5	608.3	635.5	669.4	696.6
72.5°	502.9	523.3	547.1	581.1	604.9
75°	421.4	441.8	462.2	492.7	516.5
77.5°	350.0	360.2	380.6	407.8	431.6
80°	271.9	285.4	302.4	329.6	346.6
82.5°	203.9	217.5	231.1	251.5	268.5
85°	146.1	156.3	169.9	186.9	197.1
87.5°	98.5	108.7	118.9	132.5	142.7
90°	68.0	78.2	85.0	95.1	101.9
92.5°	57.8	64.6	71.4	78.2	85.0
95°	51.0	57.8	64.6	71.4	78.2
97.5°	47.6	51.0	57.8	64.6	68.0
100°	44.2	47.6	51.0	57.8	61.2
102.5°	40.8	40.8	47.6	51.0	54.4
105°	37.4	37.4	40.8	44.2	47.6
107.5°	34.0	34.0	37.4	37.4	44.2
110°	30.6	27.2	30.6	30.6	37.4



TEST NUMBER: P384148

CATALOG NUMBER: 22ID-65-L840-CFD1

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	27.2	23.8	27.2	27.2	30.6
115°	23.8	20.4	20.4	23.8	27.2
117.5°	20.4	17.0	17.0	17.0	23.8
120°	20.4	17.0	13.6	13.6	20.4
122.5°	17.0	13.6	10.2	13.6	17.0
125°	13.6	10.2	6.8	10.2	13.6
127.5°	10.2	10.2	3.4	6.8	10.2
130°	10.2	6.8	3.4	6.8	6.8
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)