

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: P384652

Luminaire Tested: **22ID-65-L840-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384652  
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-L840-CFD3  
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

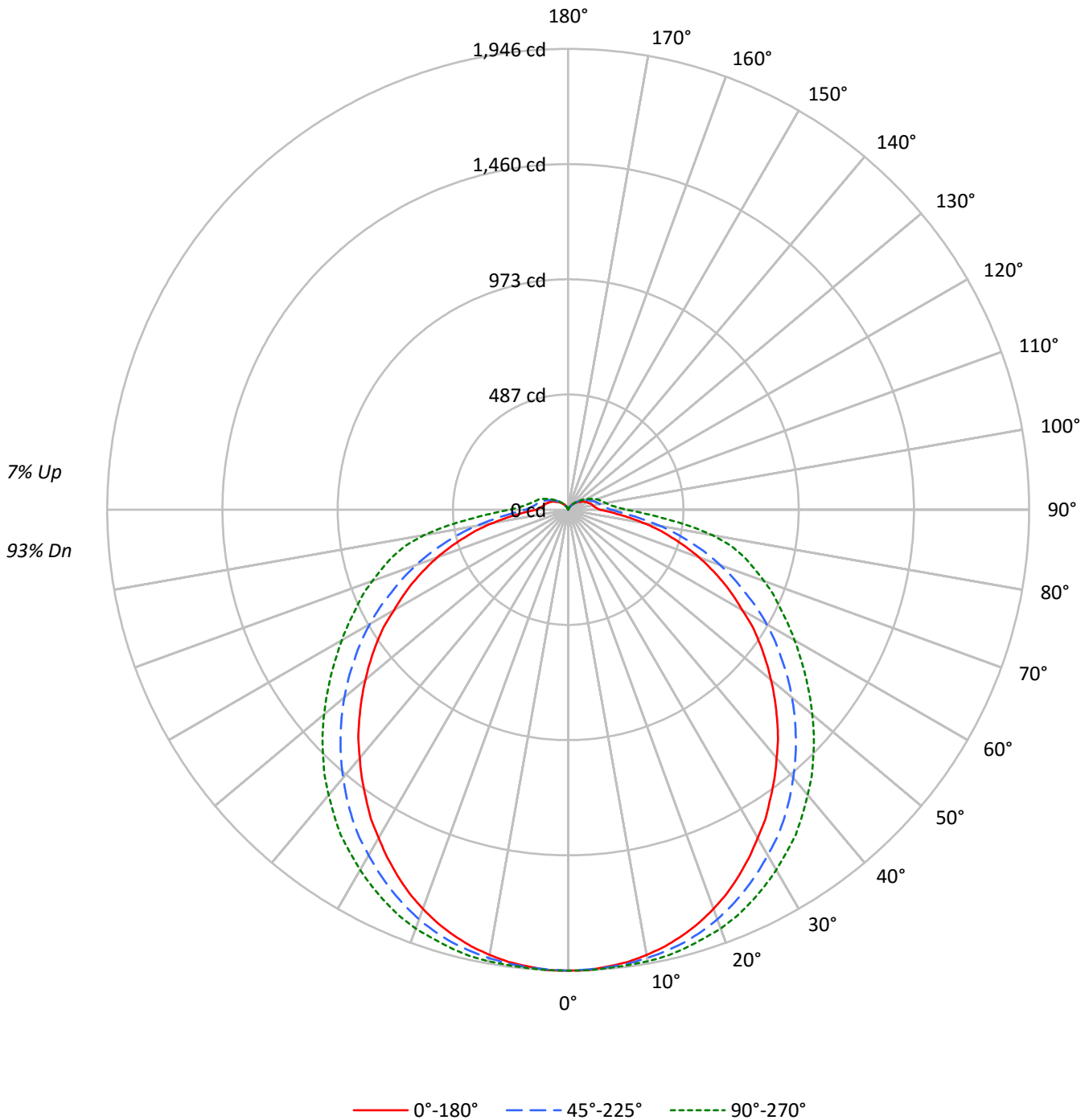
Lumens per Lamp: N/A  
Luminaire Lumens: 6811.6 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 56.6  
Input Voltage (V): NR  
Input Current (A<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



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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°	5238	5238	5238
5°	5174	5160	5192
10°	5104	5095	5177
15°	5018	5033	5165
20°	4913	4954	5155
25°	4784	4855	5128
30°	4637	4751	5090
35°	4494	4647	5059
40°	4353	4520	5000
45°	4217	4394	4953
50°	4072	4264	4901
55°	3935	4123	4868
60°	3757	3989	4884
65°	3616	3796	4964
70°	3442	3616	5153
75°	3203	3362	5443
80°	2926	3050	5607
85°	2634	2674	5053



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.6	2.7
10°-20°	533.3	7.8
20°-30°	814.9	12.0
30°-40°	991.9	14.6
40°-50°	1048.4	15.4
50°-60°	989.6	14.5
60°-70°	832.6	12.2
70°-80°	600.3	8.8
80°-90°	316.6	4.6
90°-100°	169.5	2.5
100°-110°	128.7	1.9
110°-120°	93.3	1.4
120°-130°	58.6	0.9
130°-140°	31.7	0.5
140°-150°	13.8	0.2
150°-160°	3.7	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1532.8	22.5
0°-40°	2524.7	37.1
0°-60°	4562.7	67.0
0°-90°	6312.2	92.7
90°-120°	391.5	5.7
90°-150°	495.6	7.3
90°-180°	499.0	7.3
0°-180°	6811.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1946	1946	1946	1946	1946	
5°	1936	1936	1940	1940	1943	184
15°	1862	1868	1892	1906	1916	525
25°	1705	1726	1770	1811	1828	785
35°	1488	1522	1590	1651	1675	932
45°	1247	1284	1359	1434	1464	962
55°	988	1033	1101	1182	1223	883
65°	720	761	822	924	988	712
75°	452	489	537	642	768	480
85°	207	234	262	326	398	194
90°	132	156	180	214	245	76
95°	116	132	153	173	187	92
105°	98	109	122	136	143	103
115°	78	85	95	102	109	78
125°	58	58	68	68	71	52
135°	41	37	41	41	44	31
145°	24	20	20	20	24	15
155°	10	10	3	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°	1946.5	1946.5	1946.5	1946.5	1946.5
2.5°	1946.5	1943.1	1943.1	1943.1	1946.5
5°	1936.3	1936.3	1939.7	1939.7	1943.1
7.5°	1926.1	1926.1	1932.9	1936.3	1939.7
10°	1909.1	1912.5	1922.7	1929.5	1936.3
12.5°	1888.8	1892.2	1909.1	1922.7	1929.5
15°	1861.6	1868.4	1892.2	1905.7	1915.9
17.5°	1831.0	1841.2	1868.4	1888.8	1899.0
20°	1793.6	1807.2	1841.2	1868.4	1882.0
22.5°	1752.9	1766.5	1807.2	1841.2	1858.2
25°	1705.3	1725.7	1769.9	1810.6	1827.6
27.5°	1654.4	1678.1	1729.1	1776.7	1793.6
30°	1600.0	1627.2	1684.9	1735.9	1756.3
32.5°	1549.1	1576.2	1640.8	1695.1	1715.5
35°	1487.9	1521.9	1589.8	1651.0	1674.7
37.5°	1430.2	1464.1	1535.5	1600.0	1623.8
40°	1369.0	1403.0	1477.7	1549.1	1572.8
42.5°	1311.3	1345.2	1420.0	1494.7	1521.9
45°	1246.7	1284.1	1358.8	1433.6	1464.1
47.5°	1182.2	1219.5	1297.7	1375.8	1406.4
50°	1117.6	1158.4	1233.1	1311.3	1345.2
52.5°	1053.1	1093.9	1168.6	1250.1	1284.1
55°	988.5	1032.7	1100.6	1182.2	1222.9
57.5°	924.0	968.2	1036.1	1121.0	1161.8
60°	849.3	900.2	968.2	1056.5	1104.0
62.5°	784.7	828.9	896.8	988.5	1046.3
65°	720.2	760.9	822.1	924.0	988.5
67.5°	652.2	696.4	754.1	849.3	937.6
70°	587.7	625.1	682.8	781.3	879.8
72.5°	519.7	557.1	611.5	713.4	822.1
75°	451.8	489.2	536.7	642.0	767.7
77.5°	390.7	421.2	465.4	567.3	703.2
80°	322.7	353.3	394.1	485.8	618.3
82.5°	261.6	288.7	322.7	404.2	509.6
85°	207.2	234.4	261.6	326.1	397.5
87.5°	166.5	186.8	214.0	261.6	309.1
90°	132.5	156.3	180.0	214.0	244.6
92.5°	122.3	142.7	163.1	190.2	210.6
95°	115.5	132.5	152.9	173.2	186.8
97.5°	108.7	125.7	142.7	163.1	173.2
100°	105.3	118.9	135.9	152.9	159.7
102.5°	101.9	112.1	129.1	142.7	152.9
105°	98.5	108.7	122.3	135.9	142.7
107.5°	91.7	101.9	115.5	129.1	135.9
110°	88.3	95.1	108.7	118.9	129.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	84.9	91.7	101.9	112.1	118.9
115°	78.1	84.9	95.1	101.9	108.7
117.5°	74.7	78.1	88.3	91.7	98.5
120°	67.9	71.3	81.5	84.9	88.3
122.5°	61.1	64.5	74.7	74.7	81.5
125°	57.7	57.7	67.9	67.9	71.3
127.5°	54.4	54.4	61.1	61.1	64.5
130°	47.6	47.6	54.4	54.4	54.4
132.5°	44.2	40.8	47.6	47.6	51.0
135°	40.8	37.4	40.8	40.8	44.2
137.5°	34.0	34.0	37.4	34.0	37.4
140°	30.6	27.2	30.6	30.6	34.0
142.5°	27.2	23.8	27.2	23.8	27.2
145°	23.8	20.4	20.4	20.4	23.8
147.5°	20.4	17.0	17.0	17.0	20.4
150°	17.0	13.6	13.6	13.6	17.0
152.5°	13.6	10.2	6.8	10.2	13.6
155°	10.2	10.2	3.4	6.8	10.2
157.5°	6.8	6.8	0.0	3.4	6.8
160°	3.4	3.4	0.0	3.4	3.4
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)