

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: P384655

Luminaire Tested: **22ID-70-L835-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384655  
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-70-L835-CFD3  
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

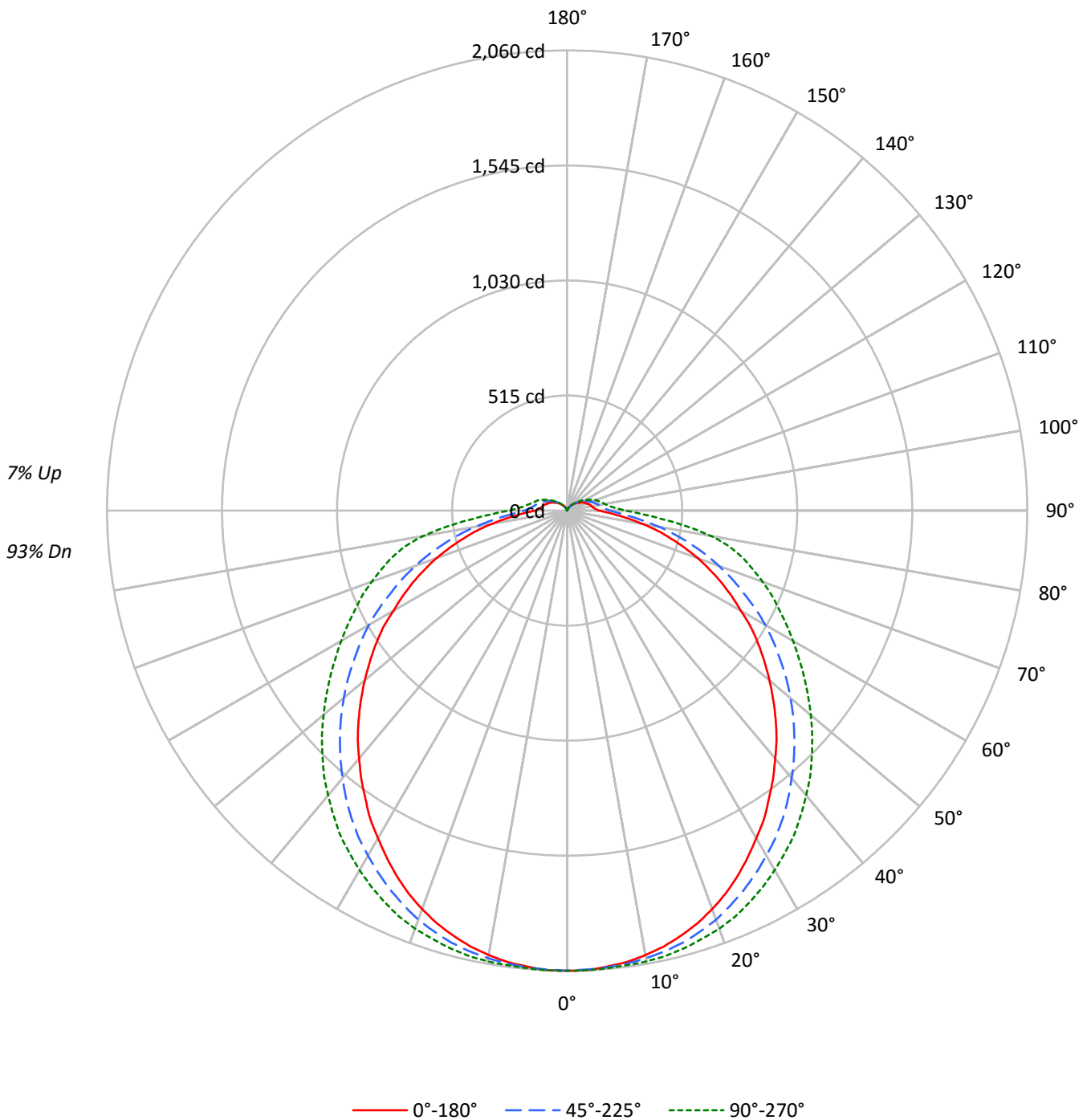
Lumens per Lamp: N/A  
Luminaire Lumens: 7208.5 lumens  
Efficiency: N/A  
Efficacy: 118.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 61.1  
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°	5543	5543	5543
5°	5475	5460	5495
10°	5402	5392	5478
15°	5311	5326	5466
20°	5199	5243	5455
25°	5063	5138	5426
30°	4907	5027	5386
35°	4756	4918	5354
40°	4606	4784	5292
45°	4463	4650	5241
50°	4310	4513	5187
55°	4164	4363	5152
60°	3976	4222	5169
65°	3827	4017	5253
70°	3642	3827	5453
75°	3390	3558	5760
80°	3097	3227	5933
85°	2788	2829	5347



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.3	2.7
10°-20°	564.4	7.8
20°-30°	862.4	12.0
30°-40°	1049.7	14.6
40°-50°	1109.5	15.4
50°-60°	1047.3	14.5
60°-70°	881.1	12.2
70°-80°	635.2	8.8
80°-90°	335.0	4.6
90°-100°	179.3	2.5
100°-110°	136.2	1.9
110°-120°	98.8	1.4
120°-130°	62.0	0.9
130°-140°	33.5	0.5
140°-150°	14.7	0.2
150°-160°	3.9	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1622.1	22.5
0°-40°	2671.8	37.1
0°-60°	4828.6	67.0
0°-90°	6680.0	92.7
90°-120°	414.3	5.7
90°-150°	524.5	7.3
90°-180°	528.0	7.3
0°-180°	7208.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2060	2060	2060	2060	2060	
5°	2049	2049	2053	2053	2056	195
15°	1970	1977	2002	2017	2028	556
25°	1805	1826	1873	1916	1934	831
35°	1575	1611	1682	1747	1772	986
45°	1319	1359	1438	1517	1549	1018
55°	1046	1093	1165	1251	1294	935
65°	762	805	870	978	1046	753
75°	478	518	568	680	812	508
85°	219	248	277	345	421	205
90°	140	165	190	226	259	80
95°	122	140	162	183	198	97
105°	104	115	129	144	151	109
115°	83	90	101	108	115	83
125°	61	61	72	72	76	55
135°	43	40	43	43	47	33
145°	25	22	22	22	25	16
155°	11	11	4	7	11	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°	2059.9	2059.9	2059.9	2059.9	2059.9
2.5°	2059.9	2056.3	2056.3	2056.3	2059.9
5°	2049.1	2049.1	2052.7	2052.7	2056.3
7.5°	2038.4	2038.4	2045.6	2049.1	2052.7
10°	2020.4	2024.0	2034.8	2042.0	2049.1
12.5°	1998.8	2002.4	2020.4	2034.8	2042.0
15°	1970.1	1977.2	2002.4	2016.8	2027.6
17.5°	1937.7	1948.5	1977.2	1998.8	2009.6
20°	1898.2	1912.5	1948.5	1977.2	1991.6
22.5°	1855.0	1869.4	1912.5	1948.5	1966.5
25°	1804.7	1826.3	1873.0	1916.1	1934.1
27.5°	1750.8	1775.9	1829.9	1880.2	1898.2
30°	1693.2	1722.0	1783.1	1837.0	1858.6
32.5°	1639.3	1668.1	1736.4	1793.9	1815.5
35°	1574.6	1610.6	1682.5	1747.2	1772.3
37.5°	1513.5	1549.4	1624.9	1693.2	1718.4
40°	1448.8	1484.7	1563.8	1639.3	1664.5
42.5°	1387.7	1423.6	1502.7	1581.8	1610.6
45°	1319.4	1358.9	1438.0	1517.1	1549.4
47.5°	1251.1	1290.6	1373.3	1456.0	1488.3
50°	1182.8	1225.9	1305.0	1387.7	1423.6
52.5°	1114.4	1157.6	1236.7	1323.0	1358.9
55°	1046.1	1092.9	1164.8	1251.1	1294.2
57.5°	977.8	1024.6	1096.5	1186.3	1229.5
60°	898.7	952.7	1024.6	1118.0	1168.4
62.5°	830.4	877.2	949.1	1046.1	1107.3
65°	762.1	805.3	870.0	977.8	1046.1
67.5°	690.2	737.0	798.1	898.7	992.2
70°	621.9	661.5	722.6	826.8	931.1
72.5°	550.0	589.6	647.1	754.9	870.0
75°	478.1	517.7	568.0	679.5	812.5
77.5°	413.4	445.8	492.5	600.4	744.2
80°	341.5	373.9	417.0	514.1	654.3
82.5°	276.8	305.6	341.5	427.8	539.2
85°	219.3	248.1	276.8	345.1	420.6
87.5°	176.2	197.7	226.5	276.8	327.1
90°	140.2	165.4	190.5	226.5	258.8
92.5°	129.4	151.0	172.6	201.3	222.9
95°	122.2	140.2	161.8	183.3	197.7
97.5°	115.0	133.0	151.0	172.6	183.3
100°	111.4	125.8	143.8	161.8	169.0
102.5°	107.8	118.6	136.6	151.0	161.8
105°	104.3	115.0	129.4	143.8	151.0
107.5°	97.1	107.8	122.2	136.6	143.8
110°	93.5	100.7	115.0	125.8	136.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	89.9	97.1	107.8	118.6	125.8
115°	82.7	89.9	100.7	107.8	115.0
117.5°	79.1	82.7	93.5	97.1	104.3
120°	71.9	75.5	86.3	89.9	93.5
122.5°	64.7	68.3	79.1	79.1	86.3
125°	61.1	61.1	71.9	71.9	75.5
127.5°	57.5	57.5	64.7	64.7	68.3
130°	50.3	50.3	57.5	57.5	57.5
132.5°	46.7	43.1	50.3	50.3	53.9
135°	43.1	39.5	43.1	43.1	46.7
137.5°	35.9	35.9	39.5	35.9	39.5
140°	32.4	28.8	32.4	32.4	35.9
142.5°	28.8	25.2	28.8	25.2	28.8
145°	25.2	21.6	21.6	21.6	25.2
147.5°	21.6	18.0	18.0	18.0	21.6
150°	18.0	14.4	14.4	14.4	18.0
152.5°	14.4	10.8	7.2	10.8	14.4
155°	10.8	10.8	3.6	7.2	10.8
157.5°	7.2	7.2	0.0	3.6	7.2
160°	3.6	3.6	0.0	3.6	3.6
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)