

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: P384661

Luminaire Tested: **22ID-75-L850-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384661  
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-75-L850-CFD3  
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

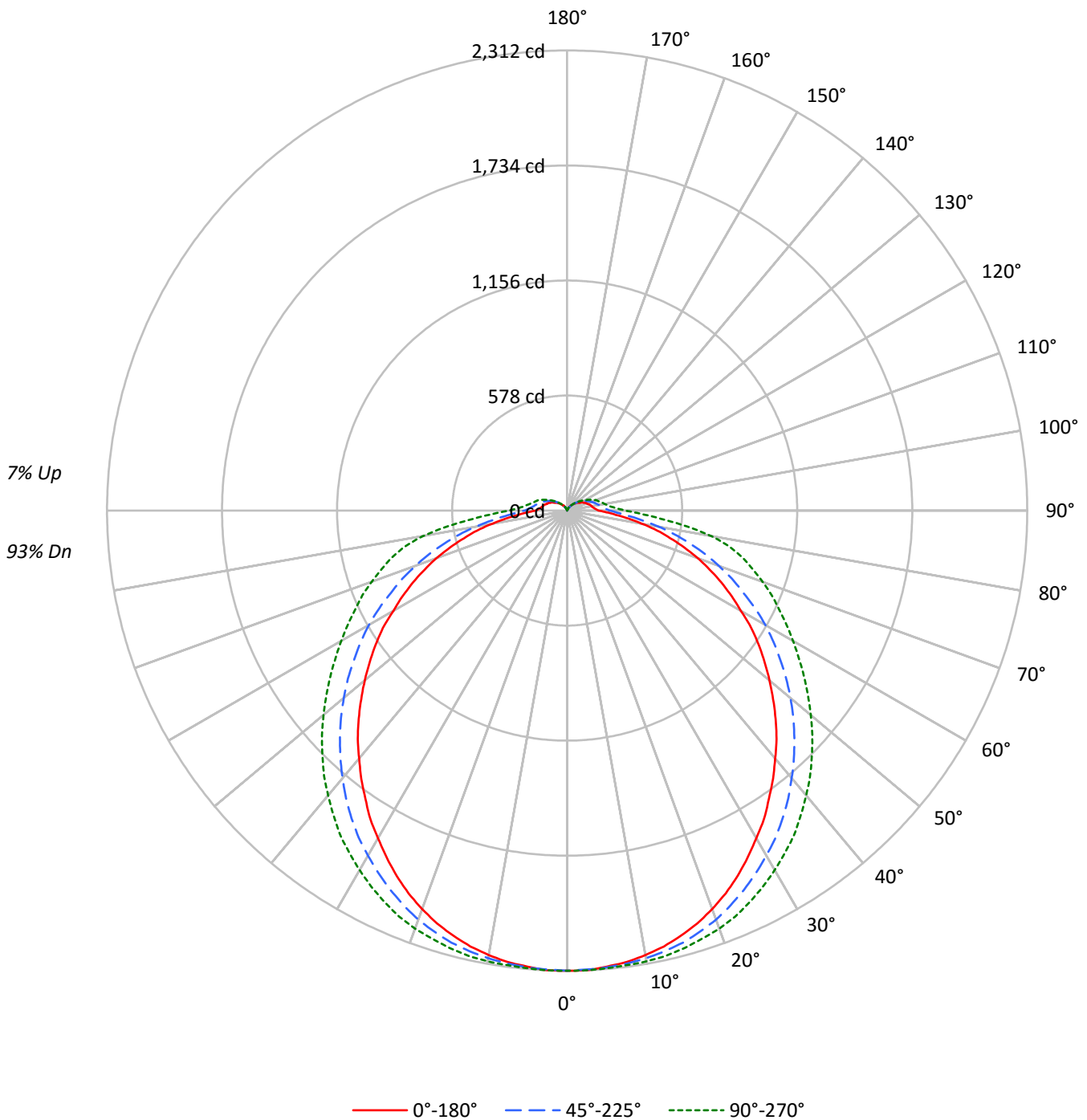
Lumens per Lamp: N/A  
Luminaire Lumens: 8090.2 lumens  
Efficiency: N/A  
Efficacy: 121.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 66.8  
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°	6221	6221	6221
5°	6145	6128	6167
10°	6062	6051	6149
15°	5960	5978	6134
20°	5835	5884	6122
25°	5683	5766	6090
30°	5508	5642	6045
35°	5338	5520	6008
40°	5170	5369	5939
45°	5009	5219	5883
50°	4837	5064	5821
55°	4674	4897	5782
60°	4463	4738	5801
65°	4295	4508	5896
70°	4088	4295	6120
75°	3804	3994	6464
80°	3476	3622	6659
85°	3129	3176	6002



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.2	2.7
10°-20°	633.5	7.8
20°-30°	967.8	12.0
30°-40°	1178.1	14.6
40°-50°	1245.2	15.4
50°-60°	1175.4	14.5
60°-70°	988.9	12.2
70°-80°	712.9	8.8
80°-90°	376.0	4.6
90°-100°	201.3	2.5
100°-110°	152.8	1.9
110°-120°	110.9	1.4
120°-130°	69.6	0.9
130°-140°	37.6	0.5
140°-150°	16.4	0.2
150°-160°	4.4	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1820.5	22.5
0°-40°	2998.6	37.1
0°-60°	5419.2	67.0
0°-90°	7497.1	92.7
90°-120°	465.0	5.7
90°-150°	588.6	7.3
90°-180°	593.0	7.3
0°-180°	8090.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2312	2312	2312	2312	2312	
5°	2300	2300	2304	2304	2308	219
15°	2211	2219	2247	2264	2276	624
25°	2025	2050	2102	2150	2171	933
35°	1767	1808	1888	1961	1989	1107
45°	1481	1525	1614	1703	1739	1143
55°	1174	1227	1307	1404	1452	1049
65°	855	904	976	1097	1174	846
75°	537	581	638	763	912	570
85°	246	278	311	387	472	231
90°	157	186	214	254	290	90
95°	137	157	182	206	222	109
105°	117	129	145	161	170	122
115°	93	101	113	121	129	93
125°	69	69	81	81	85	62
135°	48	44	48	48	52	37
145°	28	24	24	24	28	18
155°	12	12	4	8	12	6
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°	2311.9	2311.9	2311.9	2311.9	2311.9
2.5°	2311.9	2307.9	2307.9	2307.9	2311.9
5°	2299.8	2299.8	2303.8	2303.8	2307.9
7.5°	2287.7	2287.7	2295.8	2299.8	2303.8
10°	2267.5	2271.5	2283.6	2291.7	2299.8
12.5°	2243.3	2247.3	2267.5	2283.6	2291.7
15°	2211.0	2219.1	2247.3	2263.5	2275.6
17.5°	2174.7	2186.8	2219.1	2243.3	2255.4
20°	2130.3	2146.5	2186.8	2219.1	2235.2
22.5°	2081.9	2098.1	2146.5	2186.8	2207.0
25°	2025.4	2049.6	2102.1	2150.5	2170.7
27.5°	1964.9	1993.1	2053.7	2110.2	2130.3
30°	1900.4	1932.6	2001.2	2061.7	2085.9
32.5°	1839.8	1872.1	1948.8	2013.3	2037.5
35°	1767.2	1807.6	1888.2	1960.9	1989.1
37.5°	1698.6	1739.0	1823.7	1900.4	1928.6
40°	1626.0	1666.3	1755.1	1839.8	1868.1
42.5°	1557.4	1597.7	1686.5	1775.3	1807.6
45°	1480.7	1525.1	1613.9	1702.7	1739.0
47.5°	1404.1	1448.5	1541.3	1634.1	1670.4
50°	1327.4	1375.8	1464.6	1557.4	1597.7
52.5°	1250.8	1299.2	1387.9	1484.8	1525.1
55°	1174.1	1226.6	1307.2	1404.1	1452.5
57.5°	1097.4	1149.9	1230.6	1331.5	1379.9
60°	1008.7	1069.2	1149.9	1254.8	1311.3
62.5°	932.0	984.5	1065.2	1174.1	1242.7
65°	855.4	903.8	976.4	1097.4	1174.1
67.5°	774.7	827.1	895.7	1008.7	1113.6
70°	698.0	742.4	811.0	928.0	1045.0
72.5°	617.3	661.7	726.2	847.3	976.4
75°	536.6	581.0	637.5	762.6	911.8
77.5°	464.0	500.3	552.8	673.8	835.2
80°	383.3	419.6	468.0	577.0	734.3
82.5°	310.7	343.0	383.3	480.1	605.2
85°	246.1	278.4	310.7	387.3	472.1
87.5°	197.7	221.9	254.2	310.7	367.2
90°	157.4	185.6	213.8	254.2	290.5
92.5°	145.2	169.5	193.7	225.9	250.2
95°	137.2	157.4	181.6	205.8	221.9
97.5°	129.1	149.3	169.5	193.7	205.8
100°	125.1	141.2	161.4	181.6	189.6
102.5°	121.0	133.1	153.3	169.5	181.6
105°	117.0	129.1	145.2	161.4	169.5
107.5°	108.9	121.0	137.2	153.3	161.4
110°	104.9	113.0	129.1	141.2	153.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	100.9	108.9	121.0	133.1	141.2
115°	92.8	100.9	113.0	121.0	129.1
117.5°	88.8	92.8	104.9	108.9	117.0
120°	80.7	84.7	96.8	100.9	104.9
122.5°	72.6	76.7	88.8	88.8	96.8
125°	68.6	68.6	80.7	80.7	84.7
127.5°	64.6	64.6	72.6	72.6	76.7
130°	56.5	56.5	64.6	64.6	64.6
132.5°	52.5	48.4	56.5	56.5	60.5
135°	48.4	44.4	48.4	48.4	52.5
137.5°	40.3	40.3	44.4	40.3	44.4
140°	36.3	32.3	36.3	36.3	40.3
142.5°	32.3	28.2	32.3	28.2	32.3
145°	28.2	24.2	24.2	24.2	28.2
147.5°	24.2	20.2	20.2	20.2	24.2
150°	20.2	16.1	16.1	16.1	20.2
152.5°	16.1	12.1	8.1	12.1	16.1
155°	12.1	12.1	4.0	8.1	12.1
157.5°	8.1	8.1	0.0	4.0	8.1
160°	4.0	4.0	0.0	4.0	4.0
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)