

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: P384669

Luminaire Tested: **22ID-85-L850-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384669
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-85-L850-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

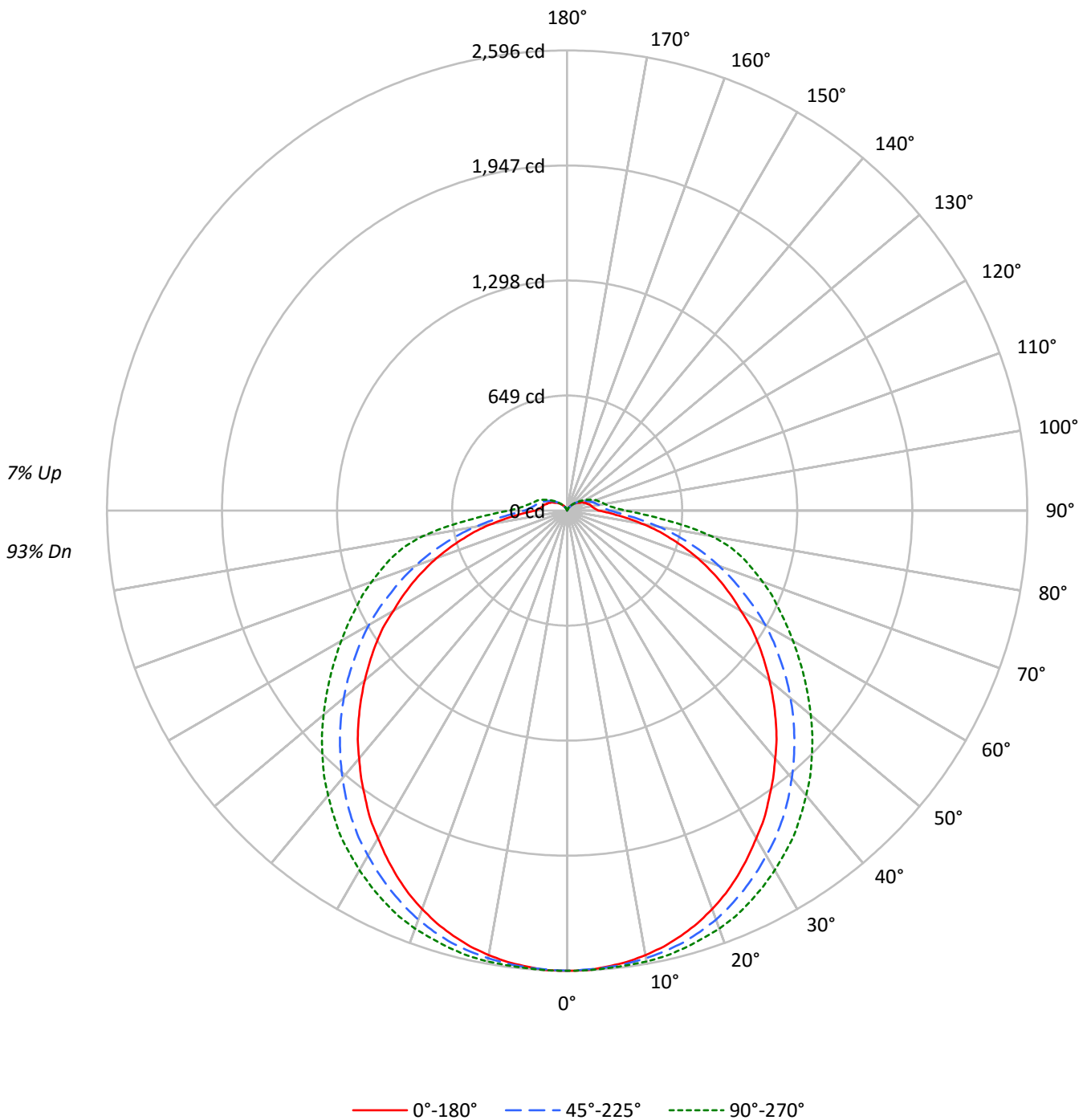
Lumens per Lamp: N/A
Luminaire Lumens: 9084.8 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 78.1
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	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°	6986	6986	6986
5°	6901	6882	6925
10°	6808	6795	6904
15°	6693	6713	6888
20°	6552	6607	6875
25°	6381	6475	6839
30°	6185	6336	6789
35°	5995	6198	6747
40°	5805	6029	6669
45°	5625	5861	6606
50°	5431	5687	6537
55°	5248	5499	6493
60°	5011	5321	6515
65°	4823	5062	6620
70°	4590	4823	6873
75°	4272	4485	7259
80°	3903	4067	7478
85°	3514	3566	6739



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.2	2.7
10°-20°	711.3	7.8
20°-30°	1086.8	12.0
30°-40°	1322.9	14.6
40°-50°	1398.3	15.4
50°-60°	1319.9	14.5
60°-70°	1110.5	12.2
70°-80°	800.6	8.8
80°-90°	422.2	4.6
90°-100°	226.0	2.5
100°-110°	171.6	1.9
110°-120°	124.5	1.4
120°-130°	78.2	0.9
130°-140°	42.2	0.5
140°-150°	18.4	0.2
150°-160°	4.9	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2044.3	22.5
0°-40°	3367.3	37.1
0°-60°	6085.5	67.0
0°-90°	8418.7	92.7
90°-120°	522.1	5.7
90°-150°	661.0	7.3
90°-180°	666.0	7.3
0°-180°	9084.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2596	2596	2596	2596	2596	
5°	2582	2582	2587	2587	2592	245
15°	2483	2492	2524	2542	2555	700
25°	2274	2302	2360	2415	2438	1047
35°	1984	2030	2120	2202	2234	1243
45°	1663	1713	1812	1912	1953	1283
55°	1318	1377	1468	1577	1631	1178
65°	960	1015	1096	1232	1318	950
75°	603	652	716	856	1024	640
85°	276	313	349	435	530	259
90°	177	208	240	285	326	101
95°	154	177	204	231	249	123
105°	131	145	163	181	190	137
115°	104	113	127	136	145	105
125°	77	77	91	91	95	69
135°	54	50	54	54	59	41
145°	32	27	27	27	32	20
155°	14	14	4	9	14	7
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°	2596.1	2596.1	2596.1	2596.1	2596.1
2.5°	2596.1	2591.6	2591.6	2591.6	2596.1
5°	2582.5	2582.5	2587.1	2587.1	2591.6
7.5°	2568.9	2568.9	2578.0	2582.5	2587.1
10°	2546.3	2550.8	2564.4	2573.5	2582.5
12.5°	2519.1	2523.6	2546.3	2564.4	2573.5
15°	2482.8	2491.9	2523.6	2541.7	2555.3
17.5°	2442.1	2455.7	2491.9	2519.1	2532.7
20°	2392.2	2410.4	2455.7	2491.9	2510.0
22.5°	2337.9	2356.0	2410.4	2455.7	2478.3
25°	2274.4	2301.6	2360.5	2414.9	2437.5
27.5°	2206.5	2238.2	2306.1	2369.6	2392.2
30°	2134.0	2170.2	2247.2	2315.2	2342.4
32.5°	2066.0	2102.3	2188.3	2260.8	2288.0
35°	1984.5	2029.8	2120.4	2201.9	2233.7
37.5°	1907.4	1952.7	2047.9	2134.0	2165.7
40°	1825.9	1871.2	1970.9	2066.0	2097.7
42.5°	1748.9	1794.2	1893.8	1993.5	2029.8
45°	1662.8	1712.6	1812.3	1912.0	1952.7
47.5°	1576.7	1626.5	1730.7	1834.9	1875.7
50°	1490.6	1545.0	1644.7	1748.9	1794.2
52.5°	1404.5	1458.9	1558.6	1667.3	1712.6
55°	1318.4	1377.3	1468.0	1576.7	1631.1
57.5°	1232.4	1291.3	1381.9	1495.1	1549.5
60°	1132.7	1200.6	1291.3	1409.1	1472.5
62.5°	1046.6	1105.5	1196.1	1318.4	1395.5
65°	960.5	1014.9	1096.4	1232.4	1318.4
67.5°	869.9	928.8	1005.8	1132.7	1250.5
70°	783.8	833.7	910.7	1042.1	1173.5
72.5°	693.2	743.0	815.5	951.5	1096.4
75°	602.6	652.4	715.9	856.3	1023.9
77.5°	521.0	561.8	620.7	756.6	937.9
80°	430.4	471.2	525.6	647.9	824.6
82.5°	348.9	385.1	430.4	539.2	679.6
85°	276.4	312.6	348.9	435.0	530.1
87.5°	222.0	249.2	285.4	348.9	412.3
90°	176.7	208.4	240.1	285.4	326.2
92.5°	163.1	190.3	217.5	253.7	280.9
95°	154.0	176.7	203.9	231.1	249.2
97.5°	145.0	167.6	190.3	217.5	231.1
100°	140.5	158.6	181.2	203.9	212.9
102.5°	135.9	149.5	172.2	190.3	203.9
105°	131.4	145.0	163.1	181.2	190.3
107.5°	122.3	135.9	154.0	172.2	181.2
110°	117.8	126.9	145.0	158.6	172.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	113.3	122.3	135.9	149.5	158.6
115°	104.2	113.3	126.9	135.9	145.0
117.5°	99.7	104.2	117.8	122.3	131.4
120°	90.6	95.1	108.7	113.3	117.8
122.5°	81.6	86.1	99.7	99.7	108.7
125°	77.0	77.0	90.6	90.6	95.1
127.5°	72.5	72.5	81.6	81.6	86.1
130°	63.4	63.4	72.5	72.5	72.5
132.5°	58.9	54.4	63.4	63.4	68.0
135°	54.4	49.8	54.4	54.4	58.9
137.5°	45.3	45.3	49.8	45.3	49.8
140°	40.8	36.2	40.8	40.8	45.3
142.5°	36.2	31.7	36.2	31.7	36.2
145°	31.7	27.2	27.2	27.2	31.7
147.5°	27.2	22.7	22.7	22.7	27.2
150°	22.7	18.1	18.1	18.1	22.7
152.5°	18.1	13.6	9.1	13.6	18.1
155°	13.6	13.6	4.5	9.1	13.6
157.5°	9.1	9.1	0.0	4.5	9.1
160°	4.5	4.5	0.0	4.5	4.5
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)