

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: P384321

Luminaire Tested: **22ID-70-L850-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-68)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-70-L850-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

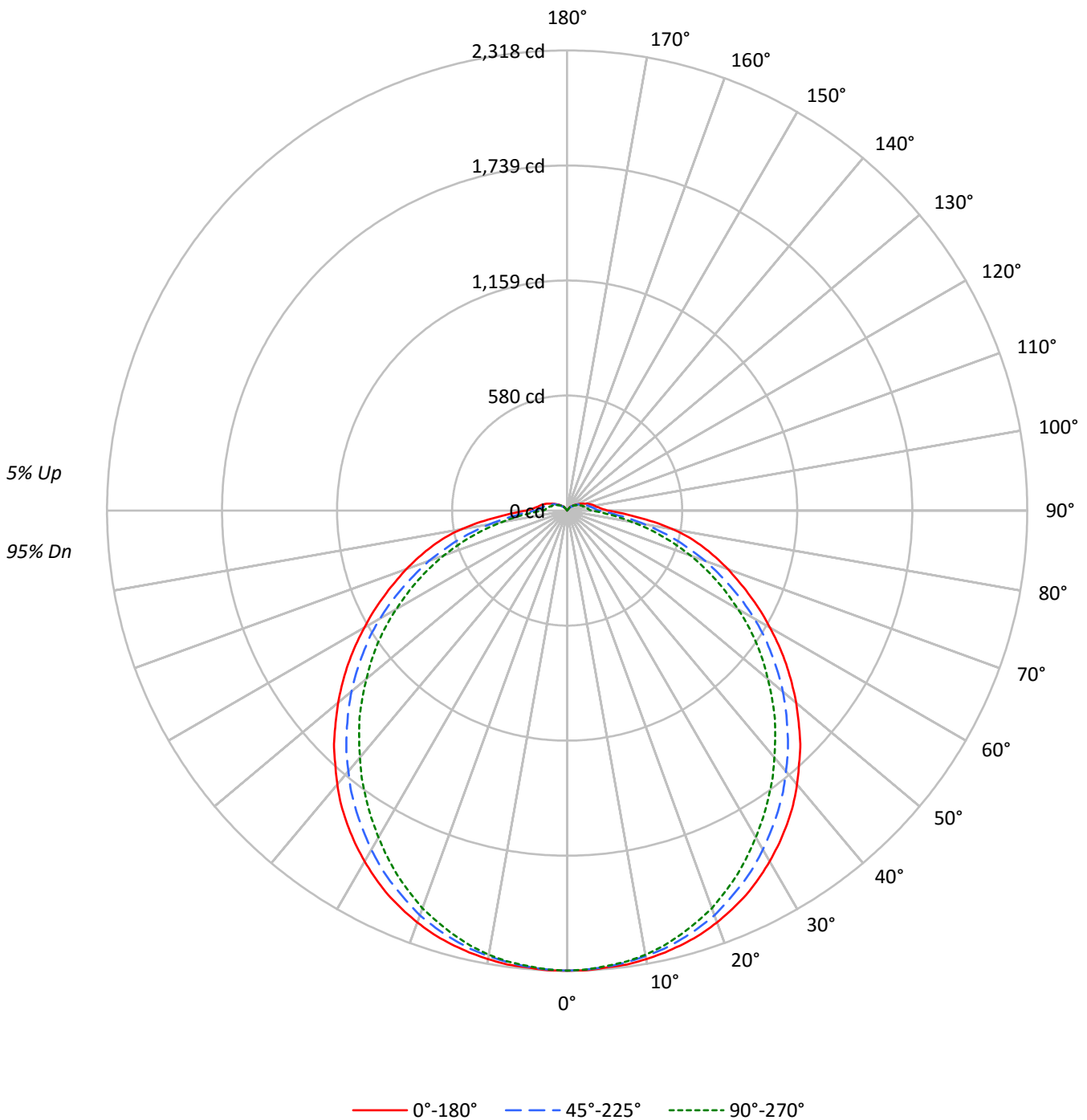
Lumens per Lamp: N/A
Luminaire Lumens: 7516.5 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 61.8
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6236	6236	6236
5°	6194	6166	6174
10°	6179	6102	6118
15°	6160	6033	6026
20°	6135	5957	5925
25°	6103	5850	5789
30°	6050	5738	5634
35°	5992	5617	5486
40°	5915	5480	5330
45°	5836	5346	5196
50°	5734	5207	5026
55°	5645	5042	4882
60°	5548	4866	4673
65°	5491	4627	4467
70°	5512	4396	4225
75°	5625	4081	3911
80°	5708	3664	3513
85°	5399	3293	3239



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.3	2.9
10°-20°	630.7	8.4
20°-30°	958.0	12.7
30°-40°	1157.1	15.4
40°-50°	1211.1	16.1
50°-60°	1123.8	15.0
60°-70°	910.2	12.1
70°-80°	614.3	8.2
80°-90°	296.8	3.9
90°-100°	149.3	2.0
100°-110°	108.5	1.4
110°-120°	72.6	1.0
120°-130°	42.0	0.6
130°-140°	21.2	0.3
140°-150°	1.6	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1808.0	24.1
0°-40°	2965.1	39.4
0°-60°	5300.0	70.5
0°-90°	7121.3	94.7
90°-120°	330.4	4.4
90°-150°	395.2	5.3
90°-180°	395.0	5.3
0°-180°	7516.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2318	2318	2318	2318	2318	
5°	2310	2306	2306	2302	2302	220
15°	2261	2249	2234	2219	2211	639
25°	2135	2116	2078	2041	2025	984
35°	1931	1904	1851	1794	1768	1208
45°	1661	1631	1570	1506	1479	1280
55°	1346	1316	1256	1195	1164	1204
65°	1016	979	910	861	827	1009
75°	709	637	565	523	493	747
85°	341	296	250	228	205	323
90°	205	186	159	144	121	117
95°	163	152	136	121	106	128
105°	121	114	102	91	83	130
115°	83	76	76	64	64	83
125°	53	46	49	42	46	47
135°	30	27	27	27	30	24
145°	0	0	0	0	0	2
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2317.5	2317.5	2317.5	2317.5	2317.5
2.5°	2317.5	2313.7	2313.7	2313.7	2313.7
5°	2309.9	2306.1	2306.1	2302.3	2302.3
7.5°	2306.1	2298.5	2294.7	2290.9	2290.9
10°	2294.7	2287.1	2279.5	2272.0	2272.0
12.5°	2279.5	2272.0	2260.6	2245.4	2245.4
15°	2260.6	2249.2	2234.0	2218.9	2211.3
17.5°	2237.8	2226.4	2203.7	2180.9	2173.3
20°	2207.5	2192.3	2169.6	2139.2	2131.6
22.5°	2173.3	2158.2	2124.0	2093.7	2078.5
25°	2135.4	2116.5	2078.5	2040.6	2025.4
27.5°	2089.9	2070.9	2029.2	1983.7	1964.7
30°	2040.6	2017.8	1972.3	1923.0	1900.3
32.5°	1987.5	1960.9	1911.6	1858.5	1835.8
35°	1930.6	1904.0	1850.9	1794.1	1767.5
37.5°	1869.9	1843.4	1786.5	1725.8	1699.2
40°	1801.6	1775.1	1714.4	1653.7	1623.4
42.5°	1729.6	1706.8	1646.1	1581.7	1551.3
45°	1661.3	1631.0	1570.3	1505.8	1479.2
47.5°	1581.7	1558.9	1494.4	1429.9	1399.6
50°	1505.8	1479.2	1418.6	1354.1	1319.9
52.5°	1426.1	1403.4	1338.9	1274.4	1244.1
55°	1346.5	1316.1	1255.5	1194.8	1164.4
57.5°	1263.0	1236.5	1175.8	1118.9	1081.0
60°	1179.6	1153.0	1088.6	1035.5	993.7
62.5°	1099.9	1069.6	1001.3	944.4	910.3
65°	1016.5	978.6	910.3	861.0	826.9
67.5°	936.9	891.3	823.1	777.5	743.4
70°	861.0	807.9	739.6	694.1	660.0
72.5°	785.1	720.7	648.6	606.9	576.5
75°	709.3	637.2	565.1	523.4	493.1
77.5°	633.4	550.0	477.9	443.8	413.4
80°	542.4	462.7	394.5	364.1	333.8
82.5°	440.0	375.5	318.6	288.3	265.5
85°	341.4	295.8	250.3	227.6	204.8
87.5°	265.5	231.4	197.2	178.3	159.3
90°	204.8	185.9	159.3	144.1	121.4
92.5°	178.3	163.1	144.1	129.0	110.0
95°	163.1	151.7	136.5	121.4	106.2
97.5°	147.9	140.3	125.2	113.8	98.6
100°	140.3	129.0	117.6	106.2	94.8
102.5°	132.8	121.4	110.0	98.6	91.0
105°	121.4	113.8	102.4	91.0	83.4
107.5°	113.8	102.4	94.8	83.4	79.7
110°	102.4	94.8	87.2	79.7	75.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	91.0	87.2	79.7	72.1	68.3
115°	83.4	75.9	75.9	64.5	64.5
117.5°	75.9	68.3	68.3	60.7	60.7
120°	64.5	60.7	60.7	53.1	53.1
122.5°	56.9	53.1	53.1	49.3	49.3
125°	53.1	45.5	49.3	41.7	45.5
127.5°	45.5	41.7	41.7	37.9	41.7
130°	37.9	34.1	34.1	34.1	37.9
132.5°	34.1	30.3	30.3	30.3	34.1
135°	30.3	26.6	26.6	26.6	30.3
137.5°	26.6	22.8	19.0	22.8	26.6
140°	22.8	19.0	15.2	19.0	22.8
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)