

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: P384093

Luminaire Tested: **14ID-65-L850-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-65-L850-CFD1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

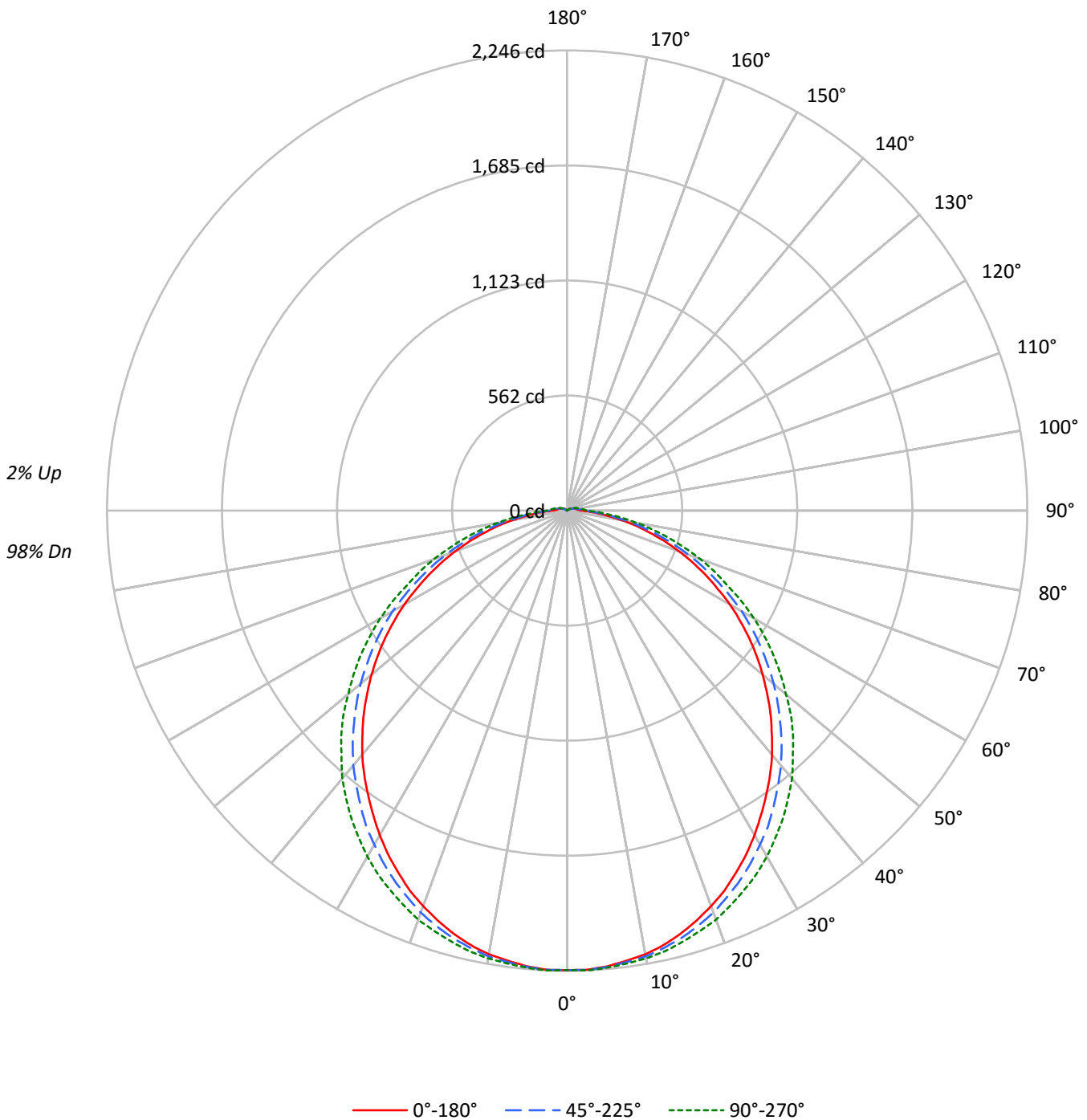
Lumens per Lamp: N/A
Luminaire Lumens: 6643.2 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 58.4
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6036	6036	6036
5°	6021	6002	6006
10°	5988	5960	5977
15°	5925	5898	5938
20°	5839	5824	5907
25°	5734	5723	5843
30°	5615	5612	5781
35°	5485	5492	5697
40°	5372	5371	5606
45°	5236	5217	5478
50°	5090	5068	5310
55°	4941	4890	5154
60°	4776	4694	4958
65°	4557	4408	4658
70°	4311	4121	4420
75°	4029	3735	4060
80°	3734	3276	3615
85°	3611	2823	3089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.4	3.2
10°-20°	609.0	9.2
20°-30°	919.4	13.8
30°-40°	1101.6	16.6
40°-50°	1138.9	17.1
50°-60°	1031.4	15.5
60°-70°	798.1	12.0
70°-80°	490.2	7.4
80°-90°	194.8	2.9
90°-100°	71.1	1.1
100°-110°	43.7	0.7
110°-120°	22.4	0.3
120°-130°	9.6	0.1
130°-140°	0.6	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1740.8	26.2
0°-40°	2842.4	42.8
0°-60°	5012.6	75.5
0°-90°	6495.8	97.8
90°-120°	137.2	2.1
90°-150°	147.4	2.2
90°-180°	147.0	2.2
0°-180°	6643.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2243	2243	2243	2243	2243	
5°	2233	2233	2236	2236	2240	212
15°	2139	2142	2159	2172	2179	603
25°	1950	1964	1994	2028	2044	899
35°	1694	1714	1758	1805	1836	1061
45°	1404	1421	1472	1532	1559	1082
55°	1084	1108	1152	1202	1229	969
65°	748	764	802	842	862	740
75°	418	438	458	488	512	445
85°	145	155	168	185	195	144
90°	67	78	84	94	101	40
95°	50	57	64	71	78	40
105°	37	37	40	44	47	39
115°	24	20	20	24	27	24
125°	14	10	7	10	14	13
135°	0	0	0	0	0	1
145°	0	0	0	0	0	0
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°	2243.0	2243.0	2243.0	2243.0	2243.0
2.5°	2243.0	2239.7	2243.0	2243.0	2246.4
5°	2232.9	2232.9	2236.3	2236.3	2239.7
7.5°	2216.1	2216.1	2222.8	2226.2	2229.6
10°	2199.3	2199.3	2209.4	2212.7	2219.5
12.5°	2172.3	2175.7	2185.8	2195.9	2202.6
15°	2138.6	2142.0	2158.9	2172.3	2179.1
17.5°	2098.2	2105.0	2125.2	2145.4	2152.1
20°	2054.4	2064.5	2088.1	2111.7	2125.2
22.5°	2007.3	2014.0	2041.0	2071.3	2084.8
25°	1950.0	1963.5	1993.8	2027.5	2044.3
27.5°	1892.8	1906.3	1939.9	1980.4	2000.6
30°	1828.8	1842.3	1882.7	1926.5	1950.0
32.5°	1761.4	1778.3	1825.4	1869.2	1892.8
35°	1694.1	1714.3	1758.1	1805.2	1835.5
37.5°	1626.7	1643.6	1690.7	1741.2	1771.5
40°	1556.0	1572.8	1623.3	1673.9	1707.5
42.5°	1478.5	1498.7	1549.3	1603.1	1630.1
45°	1404.4	1421.3	1471.8	1532.4	1559.4
47.5°	1323.6	1347.2	1394.3	1451.6	1481.9
50°	1246.1	1266.3	1316.9	1370.8	1394.3
52.5°	1165.3	1185.5	1232.7	1286.6	1313.5
55°	1084.5	1108.1	1151.8	1202.4	1229.3
57.5°	1000.3	1023.9	1067.6	1111.4	1141.7
60°	919.4	943.0	983.4	1027.2	1054.2
62.5°	828.5	848.7	892.5	939.7	959.9
65°	747.7	764.5	801.6	842.0	862.2
67.5°	663.5	683.7	717.4	754.4	778.0
70°	579.3	602.9	629.8	663.5	690.4
72.5°	498.5	518.7	542.2	575.9	599.5
75°	417.6	437.8	458.0	488.4	511.9
77.5°	346.9	357.0	377.2	404.2	427.7
80°	269.4	282.9	299.7	326.7	343.5
82.5°	202.1	215.5	229.0	249.2	266.1
85°	144.8	154.9	168.4	185.2	195.3
87.5°	97.7	107.8	117.9	131.3	141.5
90°	67.4	77.5	84.2	94.3	101.0
92.5°	57.3	64.0	70.7	77.5	84.2
95°	50.5	57.3	64.0	70.7	77.5
97.5°	47.2	50.5	57.3	64.0	67.4
100°	43.8	47.2	50.5	57.3	60.6
102.5°	40.4	40.4	47.2	50.5	53.9
105°	37.0	37.0	40.4	43.8	47.2
107.5°	33.7	33.7	37.0	37.0	43.8
110°	30.3	26.9	30.3	30.3	37.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	26.9	23.6	26.9	26.9	30.3
115°	23.6	20.2	20.2	23.6	26.9
117.5°	20.2	16.8	16.8	16.8	23.6
120°	20.2	16.8	13.5	13.5	20.2
122.5°	16.8	13.5	10.1	13.5	16.8
125°	13.5	10.1	6.7	10.1	13.5
127.5°	10.1	10.1	3.4	6.7	10.1
130°	10.1	6.7	3.4	6.7	6.7
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)