

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: P384092

Luminaire Tested: **14ID-65-L840-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384092
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-L840-CFD1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

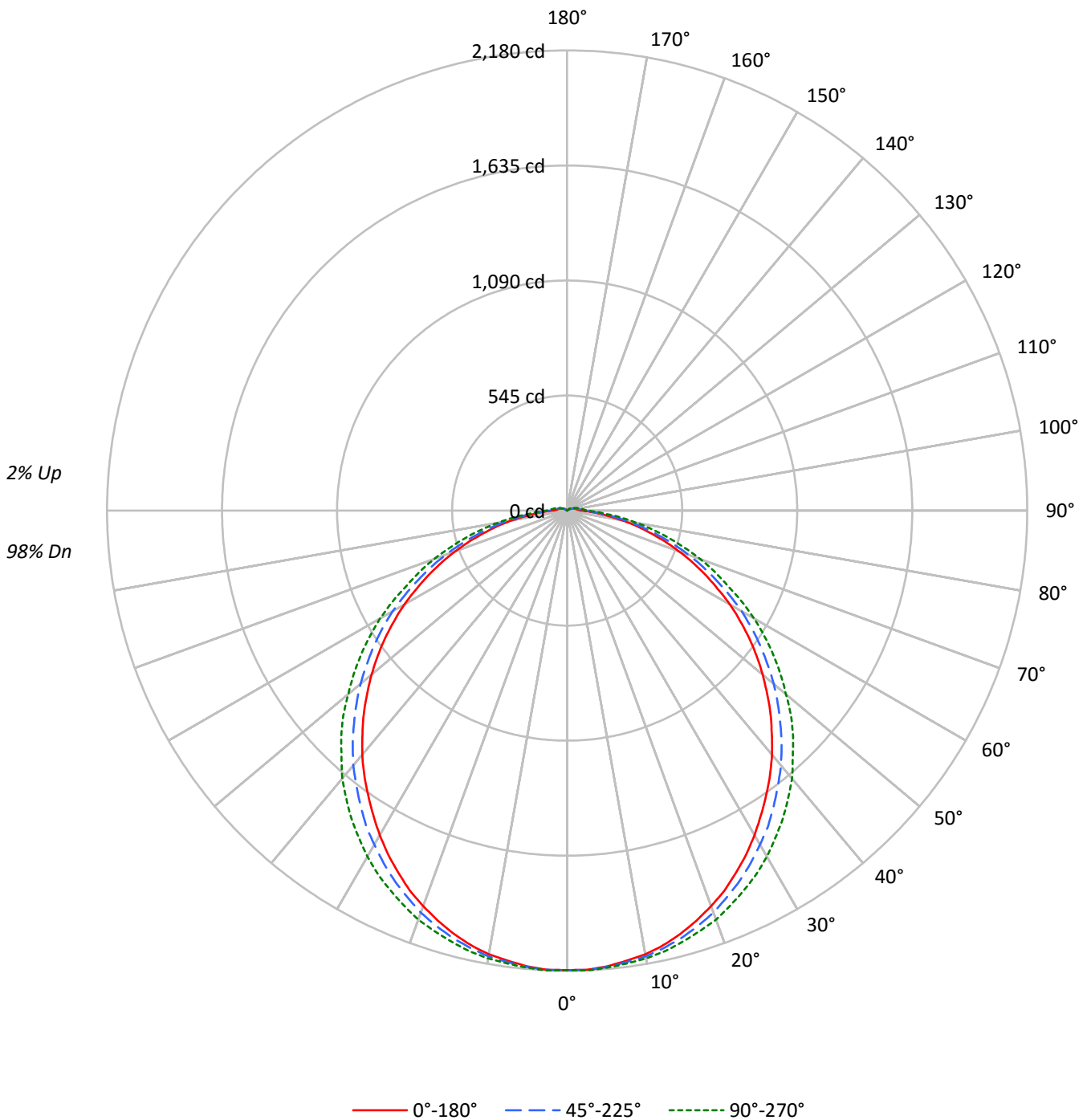
Lumens per Lamp: N/A
Luminaire Lumens: 6447.8 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5859	5859	5859
5°	5844	5826	5830
10°	5811	5784	5801
15°	5751	5725	5764
20°	5667	5652	5733
25°	5566	5555	5671
30°	5450	5446	5611
35°	5324	5331	5530
40°	5214	5213	5441
45°	5082	5064	5317
50°	4941	4919	5154
55°	4796	4746	5002
60°	4636	4556	4812
65°	4423	4278	4521
70°	4184	4000	4290
75°	3910	3626	3941
80°	3624	3180	3509
85°	3506	2740	2999



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.2	3.2
10°-20°	591.0	9.2
20°-30°	892.3	13.8
30°-40°	1069.2	16.6
40°-50°	1105.4	17.1
50°-60°	1001.0	15.5
60°-70°	774.6	12.0
70°-80°	475.8	7.4
80°-90°	189.1	2.9
90°-100°	69.0	1.1
100°-110°	42.4	0.7
110°-120°	21.8	0.3
120°-130°	9.3	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°	1689.6	26.2
0°-40°	2758.8	42.8
0°-60°	4865.2	75.5
0°-90°	6304.7	97.8
90°-120°	133.2	2.1
90°-150°	143.1	2.2
90°-180°	143.0	2.2
0°-180°	6447.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2177	2177	2177	2177	2177	
5°	2167	2167	2170	2170	2174	206
15°	2076	2079	2095	2108	2115	585
25°	1893	1906	1935	1968	1984	872
35°	1644	1664	1706	1752	1782	1029
45°	1363	1380	1428	1487	1514	1051
55°	1053	1076	1118	1167	1193	941
65°	726	742	778	817	837	718
75°	405	425	445	474	497	432
85°	141	150	163	180	190	140
90°	65	75	82	92	98	39
95°	49	56	62	69	75	39
105°	36	36	39	42	46	38
115°	23	20	20	23	26	23
125°	13	10	6	10	13	12
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°	2177.1	2177.1	2177.1	2177.1	2177.1
2.5°	2177.1	2173.8	2177.1	2177.1	2180.3
5°	2167.3	2167.3	2170.5	2170.5	2173.8
7.5°	2150.9	2150.9	2157.5	2160.7	2164.0
10°	2134.6	2134.6	2144.4	2147.7	2154.2
12.5°	2108.4	2111.7	2121.5	2131.3	2137.8
15°	2075.7	2079.0	2095.4	2108.4	2115.0
17.5°	2036.5	2043.0	2062.7	2082.3	2088.8
20°	1994.0	2003.8	2026.7	2049.6	2062.7
22.5°	1948.3	1954.8	1980.9	2010.4	2023.4
25°	1892.7	1905.8	1935.2	1967.9	1984.2
27.5°	1837.1	1850.2	1882.9	1922.1	1941.7
30°	1775.0	1788.1	1827.3	1869.8	1892.7
32.5°	1709.6	1726.0	1771.7	1814.2	1837.1
35°	1644.2	1663.9	1706.4	1752.1	1781.5
37.5°	1578.9	1595.2	1641.0	1690.0	1719.4
40°	1510.2	1526.6	1575.6	1624.6	1657.3
42.5°	1435.0	1454.7	1503.7	1556.0	1582.1
45°	1363.1	1379.5	1428.5	1487.3	1513.5
47.5°	1284.7	1307.6	1353.3	1408.9	1438.3
50°	1209.5	1229.1	1278.1	1330.4	1353.3
52.5°	1131.0	1150.6	1196.4	1248.7	1274.9
55°	1052.6	1075.5	1118.0	1167.0	1193.1
57.5°	970.9	993.7	1036.2	1078.7	1108.2
60°	892.4	915.3	954.5	997.0	1023.2
62.5°	804.1	823.8	866.3	912.0	931.6
65°	725.7	742.0	778.0	817.2	836.8
67.5°	644.0	663.6	696.3	732.2	755.1
70°	562.2	585.1	611.3	644.0	670.1
72.5°	483.8	503.4	526.3	559.0	581.9
75°	405.3	425.0	444.6	474.0	496.9
77.5°	336.7	346.5	366.1	392.3	415.1
80°	261.5	274.6	290.9	317.1	333.4
82.5°	196.1	209.2	222.3	241.9	258.2
85°	140.6	150.4	163.4	179.8	189.6
87.5°	94.8	104.6	114.4	127.5	137.3
90°	65.4	75.2	81.7	91.5	98.1
92.5°	55.6	62.1	68.6	75.2	81.7
95°	49.0	55.6	62.1	68.6	75.2
97.5°	45.8	49.0	55.6	62.1	65.4
100°	42.5	45.8	49.0	55.6	58.8
102.5°	39.2	39.2	45.8	49.0	52.3
105°	36.0	36.0	39.2	42.5	45.8
107.5°	32.7	32.7	36.0	36.0	42.5
110°	29.4	26.2	29.4	29.4	36.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	26.2	22.9	26.2	26.2	29.4
115°	22.9	19.6	19.6	22.9	26.2
117.5°	19.6	16.3	16.3	16.3	22.9
120°	19.6	16.3	13.1	13.1	19.6
122.5°	16.3	13.1	9.8	13.1	16.3
125°	13.1	9.8	6.5	9.8	13.1
127.5°	9.8	9.8	3.3	6.5	9.8
130°	9.8	6.5	3.3	6.5	6.5
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)