

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: P384264

Luminaire Tested: **14ID-70-L840-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384264
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: 14ID-70-L840-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

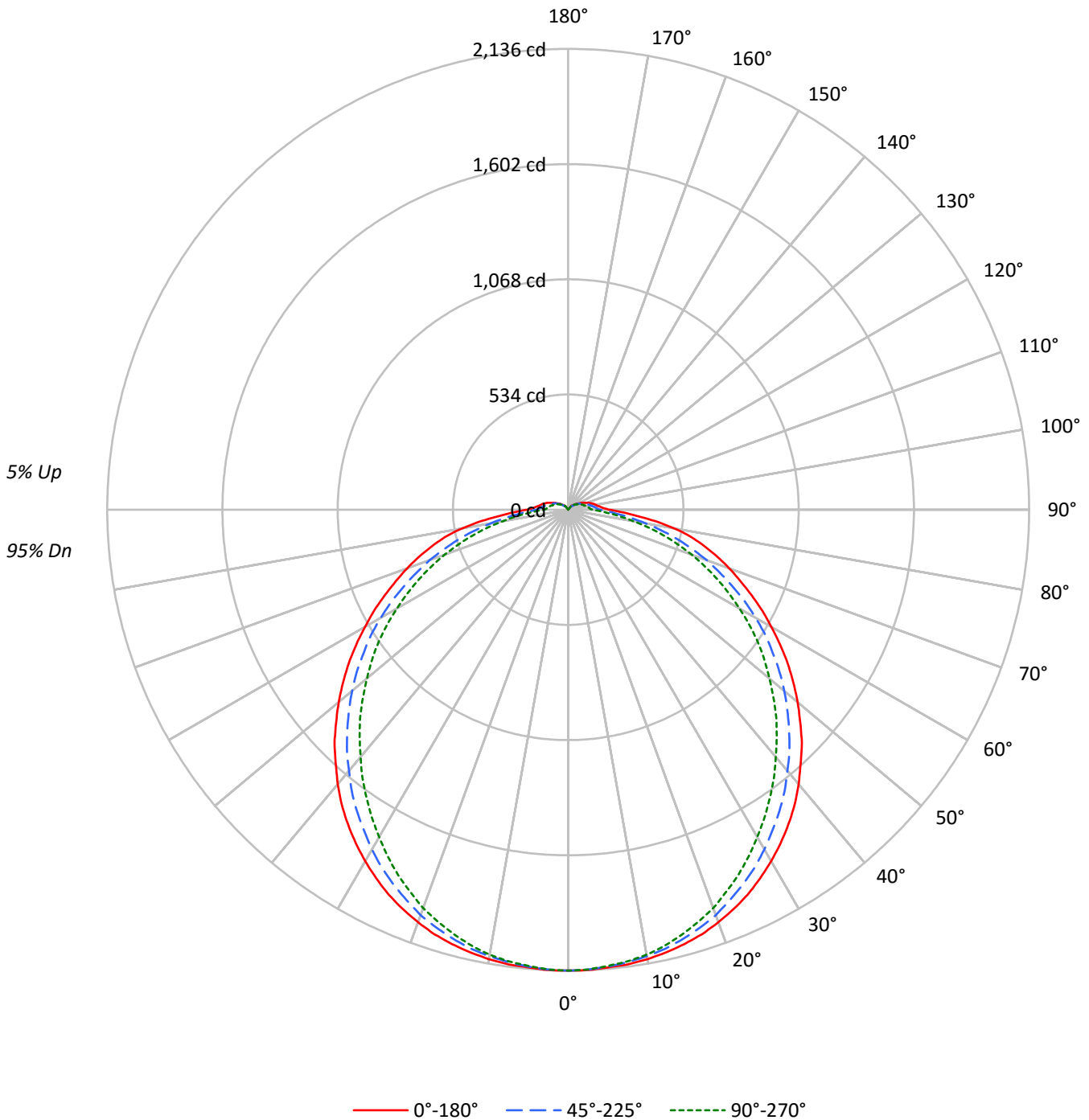
Lumens per Lamp: N/A
Luminaire Lumens: 6928.6 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 65.6
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°	5748	5748	5748
5°	5731	5669	5650
10°	5738	5596	5559
15°	5741	5519	5436
20°	5740	5436	5305
25°	5733	5323	5144
30°	5707	5207	4965
35°	5680	5081	4793
40°	5637	4941	4612
45°	5595	4801	4448
50°	5536	4657	4250
55°	5496	4486	4068
60°	5458	4302	3826
65°	5477	4060	3575
70°	5603	3819	3283
75°	5883	3495	2913
80°	6267	3070	2451
85°	6582	2655	2007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.2	2.9
10°-20°	581.4	8.4
20°-30°	883.0	12.7
30°-40°	1066.6	15.4
40°-50°	1116.4	16.1
50°-60°	1035.9	15.0
60°-70°	839.1	12.1
70°-80°	566.2	8.2
80°-90°	273.6	3.9
90°-100°	137.6	2.0
100°-110°	100.0	1.4
110°-120°	66.8	1.0
120°-130°	38.8	0.6
130°-140°	19.6	0.3
140°-150°	1.5	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1666.6	24.1
0°-40°	2733.2	39.4
0°-60°	4885.5	70.5
0°-90°	6564.3	94.7
90°-120°	304.5	4.4
90°-150°	364.3	5.3
90°-180°	364.0	5.3
0°-180°	6928.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2136	2136	2136	2136	2136	
5°	2129	2126	2126	2122	2122	203
15°	2084	2073	2059	2045	2038	589
25°	1968	1951	1916	1881	1867	907
35°	1780	1755	1706	1654	1629	1113
45°	1531	1503	1448	1388	1364	1180
55°	1241	1213	1157	1101	1073	1109
65°	937	902	839	794	762	930
75°	654	587	521	482	454	689
85°	315	273	231	210	189	297
90°	189	171	147	133	112	108
95°	150	140	126	112	98	118
105°	112	105	94	84	77	119
115°	77	70	70	59	59	77
125°	49	42	46	38	42	43
135°	28	24	24	24	28	22
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°	2136.2	2136.2	2136.2	2136.2	2136.2
2.5°	2136.2	2132.7	2132.7	2132.7	2132.7
5°	2129.2	2125.7	2125.7	2122.2	2122.2
7.5°	2125.7	2118.7	2115.2	2111.7	2111.7
10°	2115.2	2108.2	2101.3	2094.3	2094.3
12.5°	2101.3	2094.3	2083.8	2069.8	2069.8
15°	2083.8	2073.3	2059.3	2045.3	2038.3
17.5°	2062.8	2052.3	2031.3	2010.4	2003.4
20°	2034.8	2020.8	1999.9	1971.9	1964.9
22.5°	2003.4	1989.4	1957.9	1929.9	1916.0
25°	1968.4	1950.9	1916.0	1881.0	1867.0
27.5°	1926.4	1909.0	1870.5	1828.5	1811.1
30°	1881.0	1860.0	1818.1	1772.6	1751.6
32.5°	1832.0	1807.6	1762.1	1713.2	1692.2
35°	1779.6	1755.1	1706.2	1653.7	1629.3
37.5°	1723.7	1699.2	1646.7	1590.8	1566.3
40°	1660.7	1636.3	1580.3	1524.4	1496.4
42.5°	1594.3	1573.3	1517.4	1457.9	1430.0
45°	1531.4	1503.4	1447.5	1388.0	1363.5
47.5°	1457.9	1437.0	1377.5	1318.1	1290.1
50°	1388.0	1363.5	1307.6	1248.2	1216.7
52.5°	1314.6	1293.6	1234.2	1174.7	1146.8
55°	1241.2	1213.2	1157.3	1101.3	1073.4
57.5°	1164.3	1139.8	1083.8	1031.4	996.4
60°	1087.3	1062.9	1003.4	954.5	916.0
62.5°	1013.9	985.9	923.0	870.6	839.1
65°	937.0	902.0	839.1	793.7	762.2
67.5°	863.6	821.6	758.7	716.7	685.3
70°	793.7	744.7	681.8	639.8	608.4
72.5°	723.7	664.3	597.9	559.4	531.4
75°	653.8	587.4	520.9	482.5	454.5
77.5°	583.9	507.0	440.5	409.1	381.1
80°	500.0	426.5	363.6	335.6	307.7
82.5°	405.6	346.1	293.7	265.7	244.7
85°	314.7	272.7	230.8	209.8	188.8
87.5°	244.7	213.3	181.8	164.3	146.8
90°	188.8	171.3	146.8	132.9	111.9
92.5°	164.3	150.3	132.9	118.9	101.4
95°	150.3	139.9	125.9	111.9	97.9
97.5°	136.4	129.4	115.4	104.9	90.9
100°	129.4	118.9	108.4	97.9	87.4
102.5°	122.4	111.9	101.4	90.9	83.9
105°	111.9	104.9	94.4	83.9	76.9
107.5°	104.9	94.4	87.4	76.9	73.4
110°	94.4	87.4	80.4	73.4	69.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	83.9	80.4	73.4	66.4	62.9
115°	76.9	69.9	69.9	59.4	59.4
117.5°	69.9	62.9	62.9	55.9	55.9
120°	59.4	55.9	55.9	48.9	48.9
122.5°	52.4	48.9	48.9	45.5	45.5
125°	48.9	42.0	45.5	38.5	42.0
127.5°	42.0	38.5	38.5	35.0	38.5
130°	35.0	31.5	31.5	31.5	35.0
132.5°	31.5	28.0	28.0	28.0	31.5
135°	28.0	24.5	24.5	24.5	28.0
137.5°	24.5	21.0	17.5	21.0	24.5
140°	21.0	17.5	14.0	17.5	21.0
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)