

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: P384592

Luminaire Tested: **14ID-60-L840-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384592
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: 14ID-60-L840-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

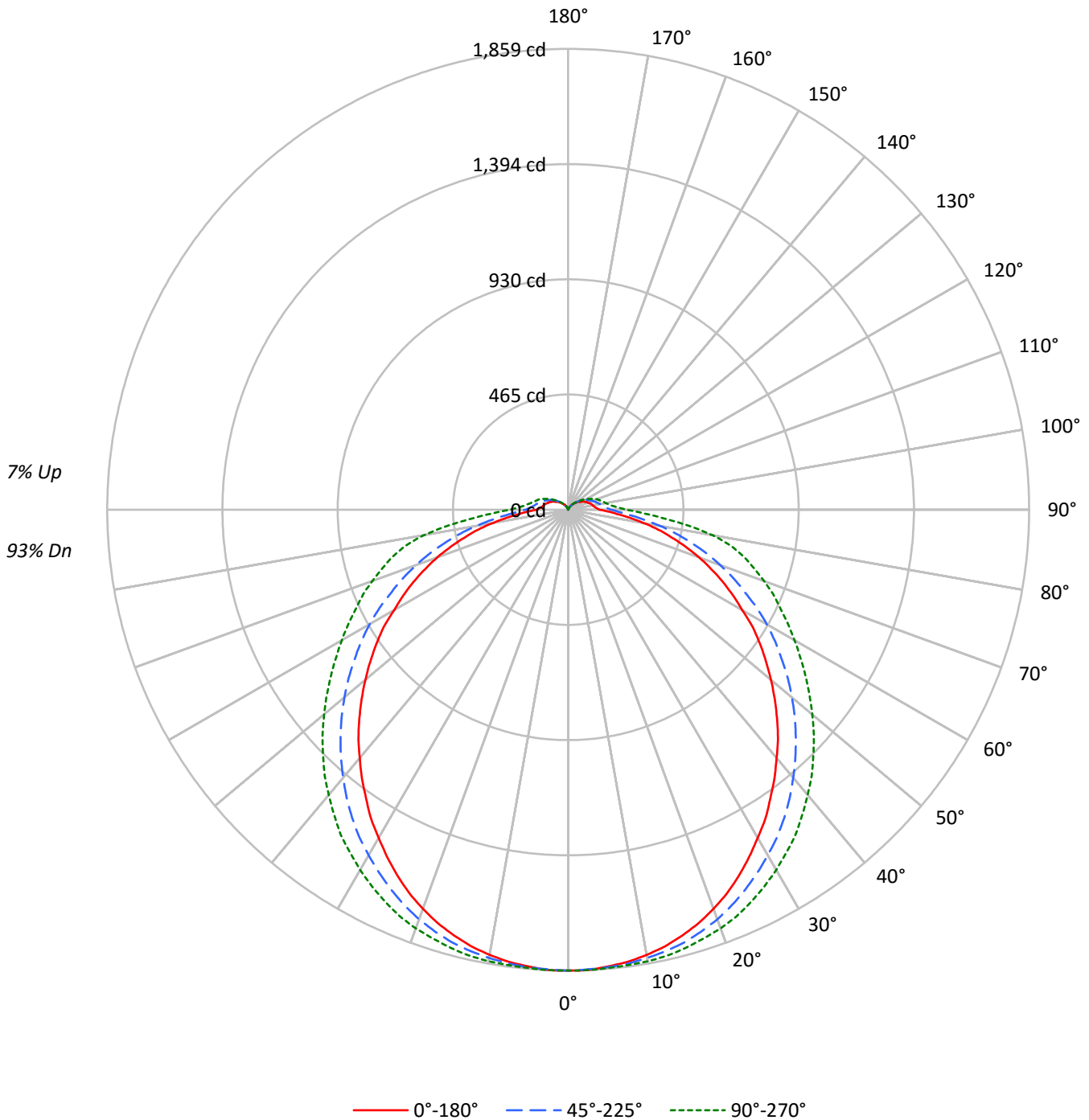
Lumens per Lamp: N/A
Luminaire Lumens: 6506.2 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 53.3
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	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°	5003	5003	5003
5°	4969	4910	4906
10°	4928	4830	4840
15°	4872	4754	4778
20°	4797	4661	4718
25°	4700	4550	4642
30°	4583	4435	4555
35°	4473	4320	4472
40°	4364	4183	4362
45°	4265	4045	4258
50°	4159	3903	4144
55°	4067	3749	4038
60°	3939	3600	3960
65°	3862	3392	3914
70°	3769	3193	3920
75°	3639	2921	3944
80°	3527	2589	3785
85°	3564	2188	3038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.3	2.7
10°-20°	509.4	7.8
20°-30°	778.3	12.0
30°-40°	947.4	14.6
40°-50°	1001.4	15.4
50°-60°	945.3	14.5
60°-70°	795.3	12.2
70°-80°	573.4	8.8
80°-90°	302.4	4.6
90°-100°	161.9	2.5
100°-110°	122.9	1.9
110°-120°	89.2	1.4
120°-130°	56.0	0.9
130°-140°	30.2	0.5
140°-150°	13.2	0.2
150°-160°	3.5	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1464.1	22.5
0°-40°	2411.5	37.1
0°-60°	4358.2	67.0
0°-90°	6029.2	92.7
90°-120°	373.9	5.7
90°-150°	473.4	7.3
90°-180°	477.0	7.3
0°-180°	6506.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1859	1859	1859	1859	1859	
5°	1850	1850	1853	1853	1856	176
15°	1778	1785	1807	1820	1830	502
25°	1629	1648	1690	1730	1746	750
35°	1421	1454	1518	1577	1600	890
45°	1191	1226	1298	1369	1398	919
55°	944	986	1051	1129	1168	844
65°	688	727	785	883	944	680
75°	432	467	513	613	733	458
85°	198	224	250	312	380	185
90°	126	149	172	204	234	72
95°	110	126	146	166	178	88
105°	94	104	117	130	136	98
115°	75	81	91	97	104	75
125°	55	55	65	65	68	50
135°	39	36	39	39	42	29
145°	23	20	20	20	23	14
155°	10	10	3	6	10	5
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°	1859.2	1859.2	1859.2	1859.2	1859.2
2.5°	1859.2	1856.0	1856.0	1856.0	1859.2
5°	1849.5	1849.5	1852.8	1852.8	1856.0
7.5°	1839.8	1839.8	1846.3	1849.5	1852.8
10°	1823.5	1826.8	1836.5	1843.0	1849.5
12.5°	1804.1	1807.3	1823.5	1836.5	1843.0
15°	1778.1	1784.6	1807.3	1820.3	1830.0
17.5°	1748.9	1758.7	1784.6	1804.1	1813.8
20°	1713.2	1726.2	1758.7	1784.6	1797.6
22.5°	1674.3	1687.3	1726.2	1758.7	1774.9
25°	1628.9	1648.3	1690.5	1729.5	1745.7
27.5°	1580.2	1602.9	1651.6	1697.0	1713.2
30°	1528.3	1554.2	1609.4	1658.1	1677.5
32.5°	1479.6	1505.6	1567.2	1619.1	1638.6
35°	1421.2	1453.6	1518.5	1576.9	1599.7
37.5°	1366.0	1398.5	1466.6	1528.3	1551.0
40°	1307.6	1340.1	1411.5	1479.6	1502.3
42.5°	1252.5	1284.9	1356.3	1427.7	1453.6
45°	1190.8	1226.5	1297.9	1369.3	1398.5
47.5°	1129.2	1164.9	1239.5	1314.1	1343.3
50°	1067.5	1106.5	1177.8	1252.5	1284.9
52.5°	1005.9	1044.8	1116.2	1194.1	1226.5
55°	944.2	986.4	1051.3	1129.2	1168.1
57.5°	882.6	924.8	989.6	1070.8	1109.7
60°	811.2	859.9	924.8	1009.1	1054.5
62.5°	749.5	791.7	856.6	944.2	999.4
65°	687.9	726.8	785.2	882.6	944.2
67.5°	623.0	665.2	720.3	811.2	895.6
70°	561.3	597.0	652.2	746.3	840.4
72.5°	496.4	532.1	584.1	681.4	785.2
75°	431.6	467.2	512.7	613.3	733.3
77.5°	373.1	402.3	444.5	541.9	671.7
80°	308.3	337.5	376.4	464.0	590.5
82.5°	249.8	275.8	308.3	386.1	486.7
85°	197.9	223.9	249.8	311.5	379.6
87.5°	159.0	178.5	204.4	249.8	295.3
90°	126.5	149.3	172.0	204.4	233.6
92.5°	116.8	136.3	155.7	181.7	201.2
95°	110.3	126.5	146.0	165.5	178.5
97.5°	103.8	120.1	136.3	155.7	165.5
100°	100.6	113.6	129.8	146.0	152.5
102.5°	97.3	107.1	123.3	136.3	146.0
105°	94.1	103.8	116.8	129.8	136.3
107.5°	87.6	97.3	110.3	123.3	129.8
110°	84.4	90.9	103.8	113.6	123.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	81.1	87.6	97.3	107.1	113.6
115°	74.6	81.1	90.9	97.3	103.8
117.5°	71.4	74.6	84.4	87.6	94.1
120°	64.9	68.1	77.9	81.1	84.4
122.5°	58.4	61.7	71.4	71.4	77.9
125°	55.2	55.2	64.9	64.9	68.1
127.5°	51.9	51.9	58.4	58.4	61.7
130°	45.4	45.4	51.9	51.9	51.9
132.5°	42.2	38.9	45.4	45.4	48.7
135°	38.9	35.7	38.9	38.9	42.2
137.5°	32.4	32.4	35.7	32.4	35.7
140°	29.2	26.0	29.2	29.2	32.4
142.5°	26.0	22.7	26.0	22.7	26.0
145°	22.7	19.5	19.5	19.5	22.7
147.5°	19.5	16.2	16.2	16.2	19.5
150°	16.2	13.0	13.0	13.0	16.2
152.5°	13.0	9.7	6.5	9.7	13.0
155°	9.7	9.7	3.2	6.5	9.7
157.5°	6.5	6.5	0.0	3.2	6.5
160°	3.2	3.2	0.0	3.2	3.2
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)