

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: P384590

Luminaire Tested: **14ID-60-L830-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384590
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-L830-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

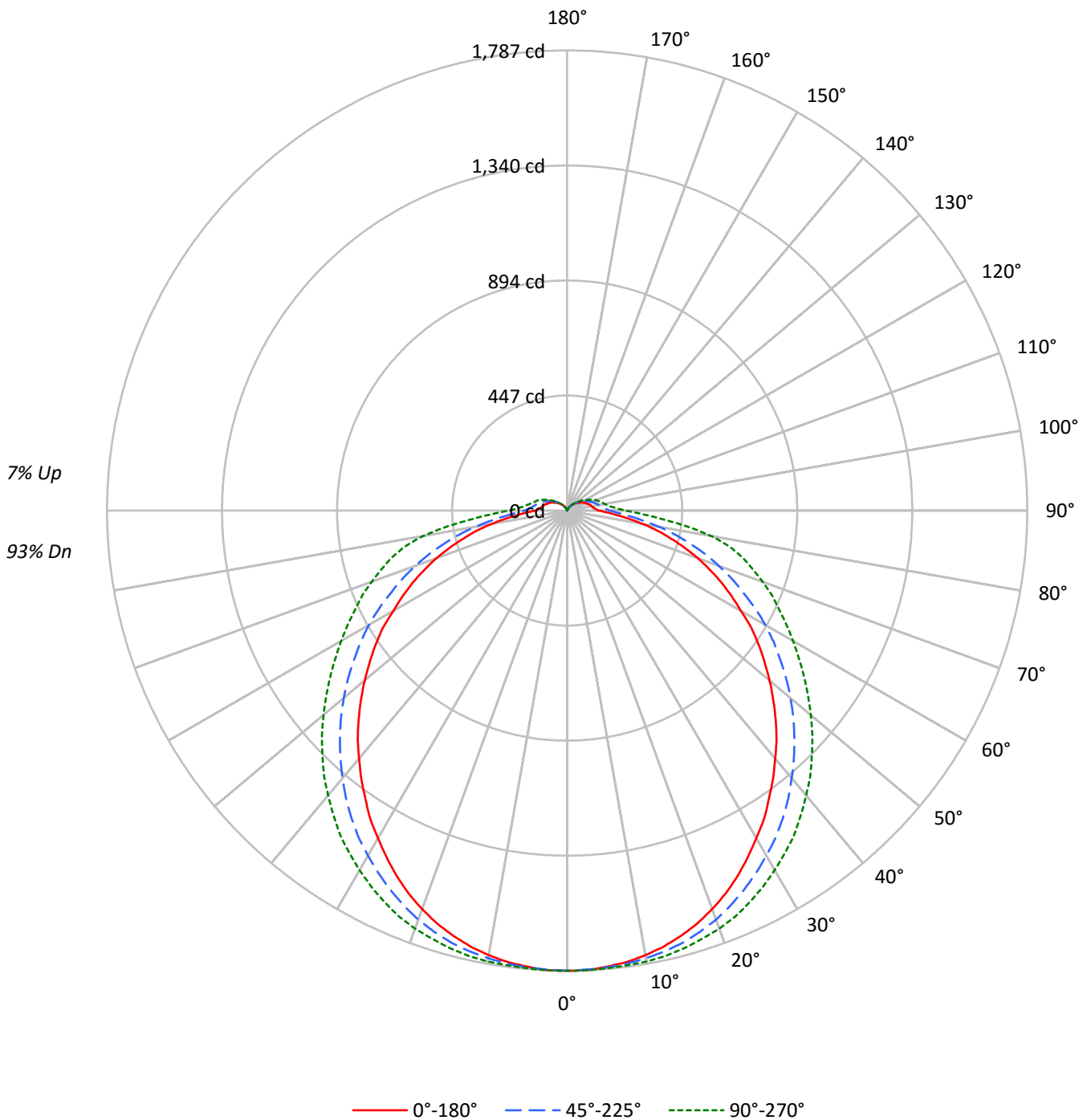
Lumens per Lamp: N/A
Luminaire Lumens: 6253.5 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

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°	4809	4809	4809
5°	4776	4719	4716
10°	4737	4643	4652
15°	4683	4569	4593
20°	4611	4480	4535
25°	4517	4374	4462
30°	4405	4263	4378
35°	4299	4152	4298
40°	4195	4020	4193
45°	4100	3888	4092
50°	3998	3752	3983
55°	3909	3604	3881
60°	3786	3459	3807
65°	3713	3260	3762
70°	3623	3069	3767
75°	3497	2808	3791
80°	3390	2488	3638
85°	3425	2103	2921



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	2.7
10°-20°	489.6	7.8
20°-30°	748.1	12.0
30°-40°	910.6	14.6
40°-50°	962.5	15.4
50°-60°	908.5	14.5
60°-70°	764.4	12.2
70°-80°	551.1	8.8
80°-90°	290.6	4.6
90°-100°	155.6	2.5
100°-110°	118.1	1.9
110°-120°	85.7	1.4
120°-130°	53.8	0.9
130°-140°	29.1	0.5
140°-150°	12.7	0.2
150°-160°	3.4	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1407.2	22.5
0°-40°	2317.8	37.1
0°-60°	4188.9	67.0
0°-90°	5795.0	92.7
90°-120°	359.4	5.7
90°-150°	455.0	7.3
90°-180°	458.0	7.3
0°-180°	6253.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1787	1787	1787	1787	1787	
5°	1778	1778	1781	1781	1784	169
15°	1709	1715	1737	1750	1759	482
25°	1566	1584	1625	1662	1678	721
35°	1366	1397	1460	1516	1538	855
45°	1145	1179	1248	1316	1344	883
55°	908	948	1010	1085	1123	811
65°	661	699	755	848	908	654
75°	415	449	493	589	705	440
85°	190	215	240	299	365	178
90°	122	144	165	196	224	70
95°	106	122	140	159	172	85
105°	90	100	112	125	131	95
115°	72	78	87	94	100	72
125°	53	53	62	62	66	48
135°	37	34	37	37	40	28
145°	22	19	19	19	22	14
155°	9	9	3	6	9	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°	1787.0	1787.0	1787.0	1787.0	1787.0
2.5°	1787.0	1783.9	1783.9	1783.9	1787.0
5°	1777.7	1777.7	1780.8	1780.8	1783.9
7.5°	1768.3	1768.3	1774.6	1777.7	1780.8
10°	1752.7	1755.8	1765.2	1771.4	1777.7
12.5°	1734.0	1737.1	1752.7	1765.2	1771.4
15°	1709.1	1715.3	1737.1	1749.6	1759.0
17.5°	1681.0	1690.3	1715.3	1734.0	1743.4
20°	1646.7	1659.2	1690.3	1715.3	1727.8
22.5°	1609.3	1621.7	1659.2	1690.3	1705.9
25°	1565.6	1584.3	1624.9	1662.3	1677.9
27.5°	1518.8	1540.6	1587.4	1631.1	1646.7
30°	1468.9	1493.9	1546.9	1593.7	1612.4
32.5°	1422.1	1447.1	1506.3	1556.2	1575.0
35°	1366.0	1397.2	1459.6	1515.7	1537.5
37.5°	1313.0	1344.2	1409.7	1468.9	1490.7
40°	1256.8	1288.0	1356.6	1422.1	1444.0
42.5°	1203.8	1235.0	1303.6	1372.2	1397.2
45°	1144.6	1178.9	1247.5	1316.1	1344.2
47.5°	1085.3	1119.6	1191.4	1263.1	1291.2
50°	1026.1	1063.5	1132.1	1203.8	1235.0
52.5°	966.8	1004.2	1072.8	1147.7	1178.9
55°	907.5	948.1	1010.5	1085.3	1122.7
57.5°	848.3	888.8	951.2	1029.2	1066.6
60°	779.7	826.5	888.8	969.9	1013.6
62.5°	720.4	761.0	823.3	907.5	960.6
65°	661.2	698.6	754.7	848.3	907.5
67.5°	598.8	639.3	692.4	779.7	860.8
70°	539.5	573.8	626.9	717.3	807.7
72.5°	477.2	511.5	561.4	654.9	754.7
75°	414.8	449.1	492.8	589.4	704.8
77.5°	358.7	386.7	427.3	520.8	645.6
80°	296.3	324.3	361.8	446.0	567.6
82.5°	240.1	265.1	296.3	371.1	467.8
85°	190.2	215.2	240.1	299.4	364.9
87.5°	152.8	171.5	196.5	240.1	283.8
90°	121.6	143.5	165.3	196.5	224.5
92.5°	112.3	131.0	149.7	174.6	193.4
95°	106.0	121.6	140.3	159.1	171.5
97.5°	99.8	115.4	131.0	149.7	159.1
100°	96.7	109.2	124.7	140.3	146.6
102.5°	93.6	102.9	118.5	131.0	140.3
105°	90.4	99.8	112.3	124.7	131.0
107.5°	84.2	93.6	106.0	118.5	124.7
110°	81.1	87.3	99.8	109.2	118.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	78.0	84.2	93.6	102.9	109.2
115°	71.7	78.0	87.3	93.6	99.8
117.5°	68.6	71.7	81.1	84.2	90.4
120°	62.4	65.5	74.8	78.0	81.1
122.5°	56.1	59.3	68.6	68.6	74.8
125°	53.0	53.0	62.4	62.4	65.5
127.5°	49.9	49.9	56.1	56.1	59.3
130°	43.7	43.7	49.9	49.9	49.9
132.5°	40.5	37.4	43.7	43.7	46.8
135°	37.4	34.3	37.4	37.4	40.5
137.5°	31.2	31.2	34.3	31.2	34.3
140°	28.1	24.9	28.1	28.1	31.2
142.5°	24.9	21.8	24.9	21.8	24.9
145°	21.8	18.7	18.7	18.7	21.8
147.5°	18.7	15.6	15.6	15.6	18.7
150°	15.6	12.5	12.5	12.5	15.6
152.5°	12.5	9.4	6.2	9.4	12.5
155°	9.4	9.4	3.1	6.2	9.4
157.5°	6.2	6.2	0.0	3.1	6.2
160°	3.1	3.1	0.0	3.1	3.1
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)