

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: P384650

Luminaire Tested: **22ID-65-L830-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384650
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: 22ID-65-L830-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

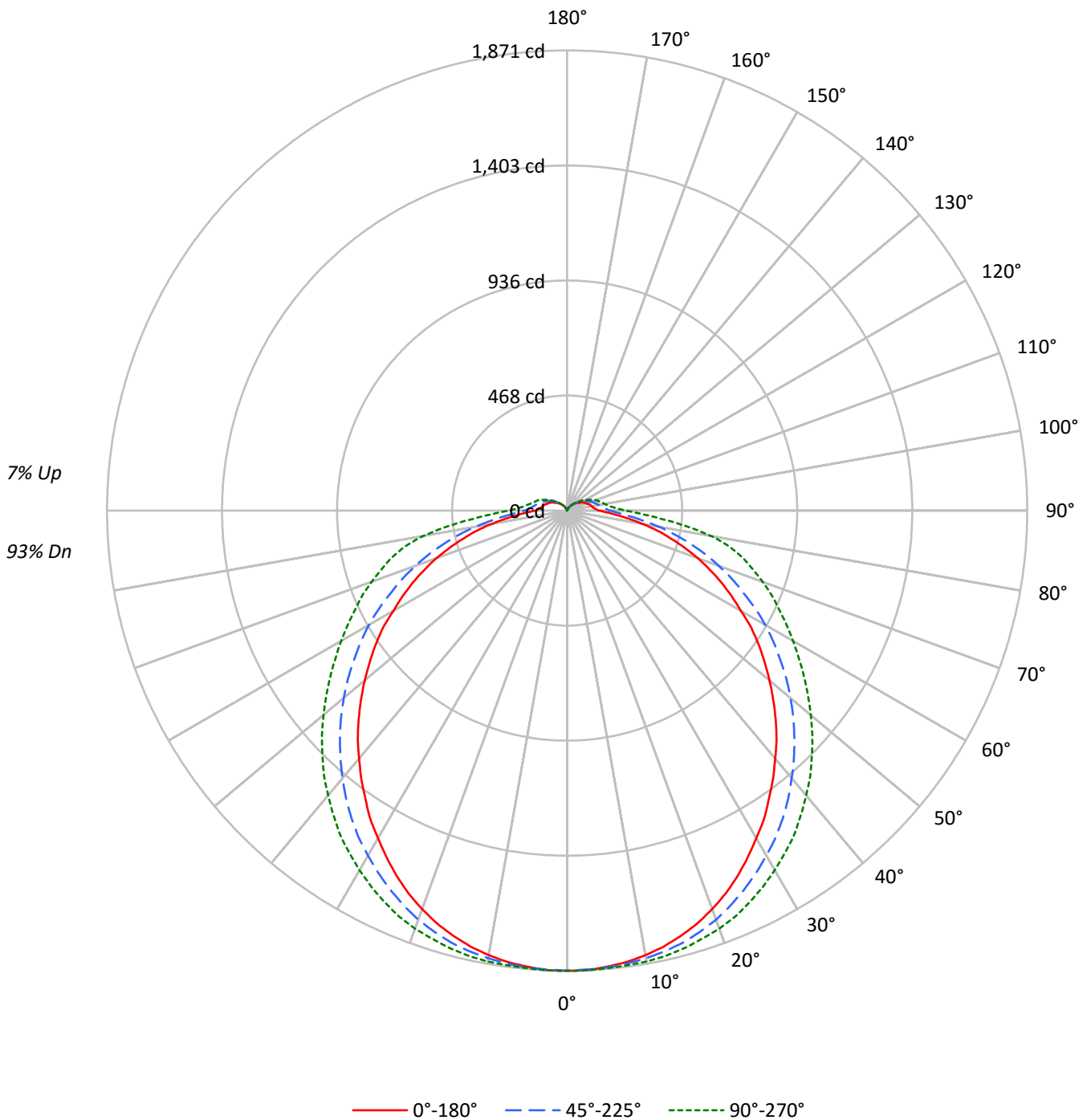
Lumens per Lamp: N/A
Luminaire Lumens: 6547.4 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 56
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	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°	5035	5035	5035
5°	4973	4960	4991
10°	4906	4898	4976
15°	4824	4838	4964
20°	4722	4762	4955
25°	4599	4666	4929
30°	4457	4566	4893
35°	4320	4467	4863
40°	4184	4345	4807
45°	4054	4224	4761
50°	3914	4099	4712
55°	3783	3963	4680
60°	3611	3834	4695
65°	3476	3648	4771
70°	3308	3476	4953
75°	3079	3232	5232
80°	2813	2931	5389
85°	2532	2570	4856



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.4	2.7
10°-20°	512.7	7.8
20°-30°	783.3	12.0
30°-40°	953.5	14.6
40°-50°	1007.7	15.4
50°-60°	951.2	14.5
60°-70°	800.3	12.2
70°-80°	577.0	8.8
80°-90°	304.3	4.6
90°-100°	162.9	2.5
100°-110°	123.7	1.9
110°-120°	89.7	1.4
120°-130°	56.3	0.9
130°-140°	30.4	0.5
140°-150°	13.3	0.2
150°-160°	3.6	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1473.3	22.5
0°-40°	2426.8	37.1
0°-60°	4385.8	67.0
0°-90°	6067.4	92.7
90°-120°	376.3	5.7
90°-150°	476.4	7.3
90°-180°	480.0	7.3
0°-180°	6547.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1871	1871	1871	1871	1871	
5°	1861	1861	1864	1864	1868	177
15°	1789	1796	1819	1832	1842	505
25°	1639	1659	1701	1740	1757	755
35°	1430	1463	1528	1587	1610	896
45°	1198	1234	1306	1378	1407	925
55°	950	993	1058	1136	1176	849
65°	692	731	790	888	950	684
75°	434	470	516	617	738	461
85°	199	225	251	314	382	187
90°	127	150	173	206	235	73
95°	111	127	147	166	180	88
105°	95	104	118	131	137	99
115°	75	82	91	98	104	75
125°	56	56	65	65	69	50
135°	39	36	39	39	42	30
145°	23	20	20	20	23	15
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°	1871.0	1871.0	1871.0	1871.0	1871.0
2.5°	1871.0	1867.7	1867.7	1867.7	1871.0
5°	1861.2	1861.2	1864.5	1864.5	1867.7
7.5°	1851.4	1851.4	1858.0	1861.2	1864.5
10°	1835.1	1838.4	1848.2	1854.7	1861.2
12.5°	1815.5	1818.8	1835.1	1848.2	1854.7
15°	1789.4	1795.9	1818.8	1831.8	1841.6
17.5°	1760.0	1769.8	1795.9	1815.5	1825.3
20°	1724.1	1737.1	1769.8	1795.9	1809.0
22.5°	1684.9	1698.0	1737.1	1769.8	1786.1
25°	1639.2	1658.8	1701.2	1740.4	1756.7
27.5°	1590.2	1613.1	1662.0	1707.8	1724.1
30°	1538.0	1564.1	1619.6	1668.6	1688.2
32.5°	1489.0	1515.1	1577.1	1629.4	1649.0
35°	1430.2	1462.9	1528.2	1586.9	1609.8
37.5°	1374.7	1407.3	1475.9	1538.0	1560.8
40°	1315.9	1348.6	1420.4	1489.0	1511.8
42.5°	1260.4	1293.1	1364.9	1436.7	1462.9
45°	1198.4	1234.3	1306.1	1378.0	1407.3
47.5°	1136.3	1172.2	1247.3	1322.4	1351.8
50°	1074.3	1113.5	1185.3	1260.4	1293.1
52.5°	1012.2	1051.4	1123.3	1201.6	1234.3
55°	950.2	992.7	1058.0	1136.3	1175.5
57.5°	888.2	930.6	995.9	1077.5	1116.7
60°	816.3	865.3	930.6	1015.5	1061.2
62.5°	754.3	796.7	862.0	950.2	1005.7
65°	692.2	731.4	790.2	888.2	950.2
67.5°	626.9	669.4	724.9	816.3	901.2
70°	564.9	600.8	656.3	751.0	845.7
72.5°	499.6	535.5	587.8	685.7	790.2
75°	434.3	470.2	515.9	617.1	738.0
77.5°	375.5	404.9	447.3	545.3	675.9
80°	310.2	339.6	378.8	466.9	594.3
82.5°	251.4	277.6	310.2	388.6	489.8
85°	199.2	225.3	251.4	313.5	382.0
87.5°	160.0	179.6	205.7	251.4	297.1
90°	127.3	150.2	173.1	205.7	235.1
92.5°	117.6	137.1	156.7	182.9	202.4
95°	111.0	127.3	146.9	166.5	179.6
97.5°	104.5	120.8	137.1	156.7	166.5
100°	101.2	114.3	130.6	146.9	153.5
102.5°	98.0	107.8	124.1	137.1	146.9
105°	94.7	104.5	117.6	130.6	137.1
107.5°	88.2	98.0	111.0	124.1	130.6
110°	84.9	91.4	104.5	114.3	124.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	81.6	88.2	98.0	107.8	114.3
115°	75.1	81.6	91.4	98.0	104.5
117.5°	71.8	75.1	84.9	88.2	94.7
120°	65.3	68.6	78.4	81.6	84.9
122.5°	58.8	62.0	71.8	71.8	78.4
125°	55.5	55.5	65.3	65.3	68.6
127.5°	52.2	52.2	58.8	58.8	62.0
130°	45.7	45.7	52.2	52.2	52.2
132.5°	42.4	39.2	45.7	45.7	49.0
135°	39.2	35.9	39.2	39.2	42.4
137.5°	32.7	32.7	35.9	32.7	35.9
140°	29.4	26.1	29.4	29.4	32.7
142.5°	26.1	22.9	26.1	22.9	26.1
145°	22.9	19.6	19.6	19.6	22.9
147.5°	19.6	16.3	16.3	16.3	19.6
150°	16.3	13.1	13.1	13.1	16.3
152.5°	13.1	9.8	6.5	9.8	13.1
155°	9.8	9.8	3.3	6.5	9.8
157.5°	6.5	6.5	0.0	3.3	6.5
160°	3.3	3.3	0.0	3.3	3.3
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)