

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: P384658

Luminaire Tested: **22ID-75-L830-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384658
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-75-L830-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

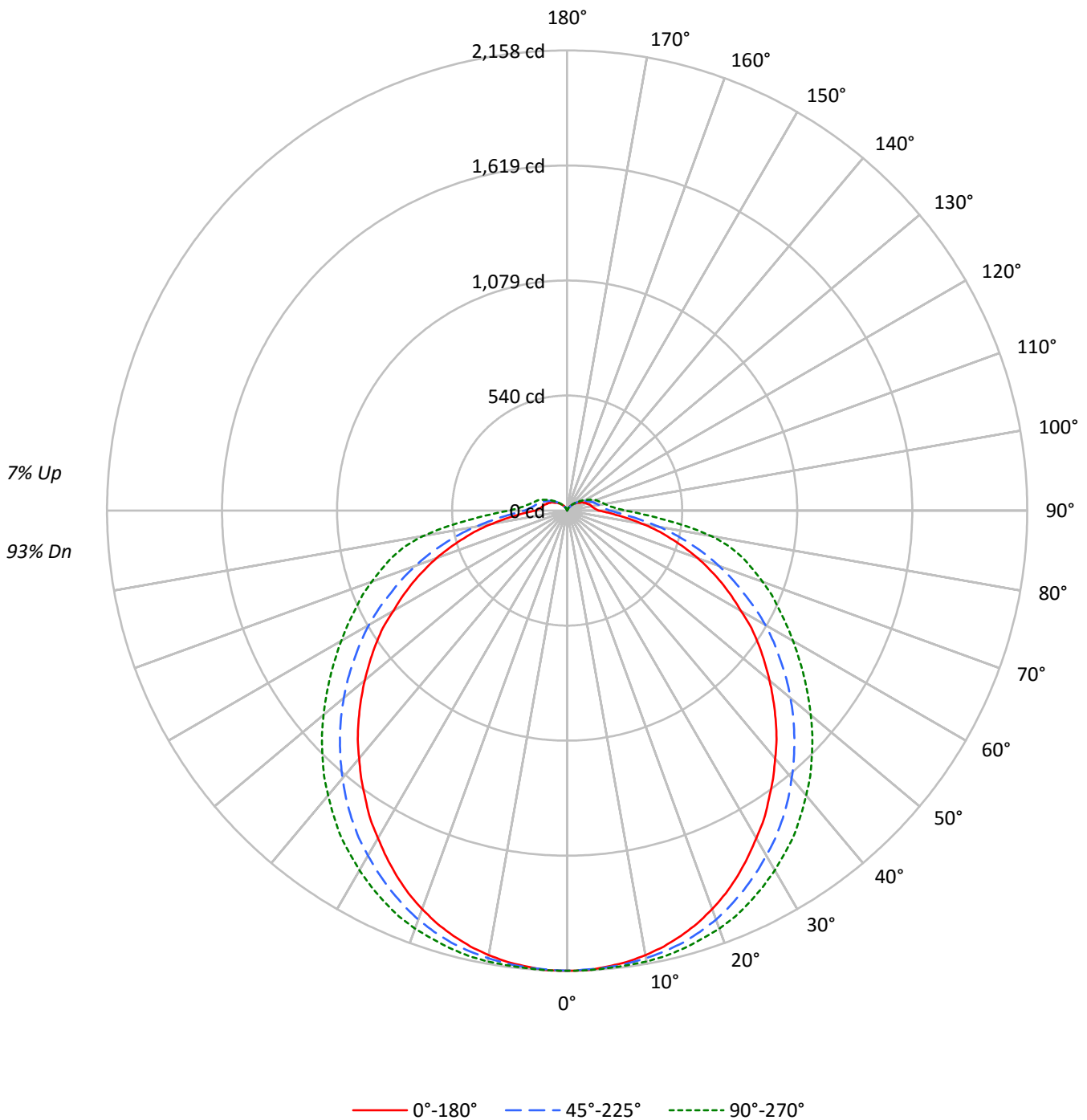
Lumens per Lamp: N/A
Luminaire Lumens: 7552.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 65.8
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°	5807	5807	5807
5°	5736	5721	5756
10°	5659	5649	5740
15°	5563	5580	5726
20°	5447	5492	5715
25°	5305	5382	5685
30°	5141	5267	5643
35°	4983	5153	5609
40°	4826	5012	5544
45°	4676	4872	5491
50°	4515	4728	5434
55°	4363	4571	5398
60°	4166	4423	5415
65°	4009	4208	5503
70°	3816	4009	5713
75°	3551	3728	6035
80°	3245	3381	6216
85°	2920	2964	5602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.6	2.7
10°-20°	591.3	7.8
20°-30°	903.4	12.0
30°-40°	1099.7	14.6
40°-50°	1162.4	15.4
50°-60°	1097.2	14.5
60°-70°	923.1	12.2
70°-80°	665.5	8.8
80°-90°	351.0	4.6
90°-100°	187.9	2.5
100°-110°	142.7	1.9
110°-120°	103.5	1.4
120°-130°	65.0	0.9
130°-140°	35.1	0.5
140°-150°	15.3	0.2
150°-160°	4.1	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1699.4	22.5
0°-40°	2799.1	37.1
0°-60°	5058.6	67.0
0°-90°	6998.2	92.7
90°-120°	434.1	5.7
90°-150°	549.5	7.3
90°-180°	554.0	7.3
0°-180°	7552.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2158	2158	2158	2158	2158	
5°	2147	2147	2150	2150	2154	204
15°	2064	2071	2098	2113	2124	582
25°	1891	1913	1962	2007	2026	871
35°	1650	1687	1763	1830	1857	1033
45°	1382	1424	1506	1589	1623	1067
55°	1096	1145	1220	1311	1356	979
65°	798	844	911	1024	1096	789
75°	501	542	595	712	851	532
85°	230	260	290	362	441	215
90°	147	173	200	237	271	84
95°	128	147	170	192	207	102
105°	109	120	136	151	158	114
115°	87	94	106	113	120	87
125°	64	64	75	75	79	58
135°	45	41	45	45	49	34
145°	26	23	23	23	26	17
155°	11	11	4	8	11	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°	2158.1	2158.1	2158.1	2158.1	2158.1
2.5°	2158.1	2154.3	2154.3	2154.3	2158.1
5°	2146.8	2146.8	2150.5	2150.5	2154.3
7.5°	2135.5	2135.5	2143.0	2146.8	2150.5
10°	2116.6	2120.4	2131.7	2139.2	2146.8
12.5°	2094.0	2097.8	2116.6	2131.7	2139.2
15°	2063.9	2071.4	2097.8	2112.9	2124.2
17.5°	2030.0	2041.3	2071.4	2094.0	2105.3
20°	1988.6	2003.6	2041.3	2071.4	2086.5
22.5°	1943.4	1958.5	2003.6	2041.3	2060.1
25°	1890.7	1913.3	1962.2	2007.4	2026.2
27.5°	1834.2	1860.5	1917.0	1969.8	1988.6
30°	1773.9	1804.0	1868.1	1924.6	1947.2
32.5°	1717.4	1747.5	1819.1	1879.4	1902.0
35°	1649.6	1687.3	1762.6	1830.4	1856.8
37.5°	1585.6	1623.3	1702.3	1773.9	1800.3
40°	1517.8	1555.5	1638.3	1717.4	1743.8
42.5°	1453.8	1491.4	1574.3	1657.2	1687.3
45°	1382.2	1423.6	1506.5	1589.4	1623.3
47.5°	1310.7	1352.1	1438.7	1525.3	1559.2
50°	1239.1	1284.3	1367.2	1453.8	1491.4
52.5°	1167.5	1212.7	1295.6	1386.0	1423.6
55°	1096.0	1144.9	1220.3	1310.7	1355.9
57.5°	1024.4	1073.4	1148.7	1242.9	1288.1
60°	941.6	998.1	1073.4	1171.3	1224.0
62.5°	870.0	919.0	994.3	1096.0	1160.0
65°	798.4	843.6	911.4	1024.4	1096.0
67.5°	723.1	772.1	836.1	941.6	1039.5
70°	651.6	693.0	757.0	866.2	975.5
72.5°	576.2	617.7	677.9	790.9	911.4
75°	500.9	542.3	595.1	711.8	851.2
77.5°	433.1	467.0	516.0	629.0	779.6
80°	357.8	391.7	436.9	538.6	685.5
82.5°	290.0	320.1	357.8	448.2	564.9
85°	229.7	259.9	290.0	361.6	440.7
87.5°	184.5	207.1	237.3	290.0	342.7
90°	146.9	173.2	199.6	237.3	271.2
92.5°	135.6	158.2	180.8	210.9	233.5
95°	128.1	146.9	169.5	192.1	207.1
97.5°	120.5	139.4	158.2	180.8	192.1
100°	116.8	131.8	150.7	169.5	177.0
102.5°	113.0	124.3	143.1	158.2	169.5
105°	109.2	120.5	135.6	150.7	158.2
107.5°	101.7	113.0	128.1	143.1	150.7
110°	97.9	105.5	120.5	131.8	143.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	94.2	101.7	113.0	124.3	131.8
115°	86.6	94.2	105.5	113.0	120.5
117.5°	82.9	86.6	97.9	101.7	109.2
120°	75.3	79.1	90.4	94.2	97.9
122.5°	67.8	71.6	82.9	82.9	90.4
125°	64.0	64.0	75.3	75.3	79.1
127.5°	60.3	60.3	67.8	67.8	71.6
130°	52.7	52.7	60.3	60.3	60.3
132.5°	49.0	45.2	52.7	52.7	56.5
135°	45.2	41.4	45.2	45.2	49.0
137.5°	37.7	37.7	41.4	37.7	41.4
140°	33.9	30.1	33.9	33.9	37.7
142.5°	30.1	26.4	30.1	26.4	30.1
145°	26.4	22.6	22.6	22.6	26.4
147.5°	22.6	18.8	18.8	18.8	22.6
150°	18.8	15.1	15.1	15.1	18.8
152.5°	15.1	11.3	7.5	11.3	15.1
155°	11.3	11.3	3.8	7.5	11.3
157.5°	7.5	7.5	0.0	3.8	7.5
160°	3.8	3.8	0.0	3.8	3.8
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)