

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: P384335

Luminaire Tested: **22ID-90-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384335
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: 22ID-90-L835-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

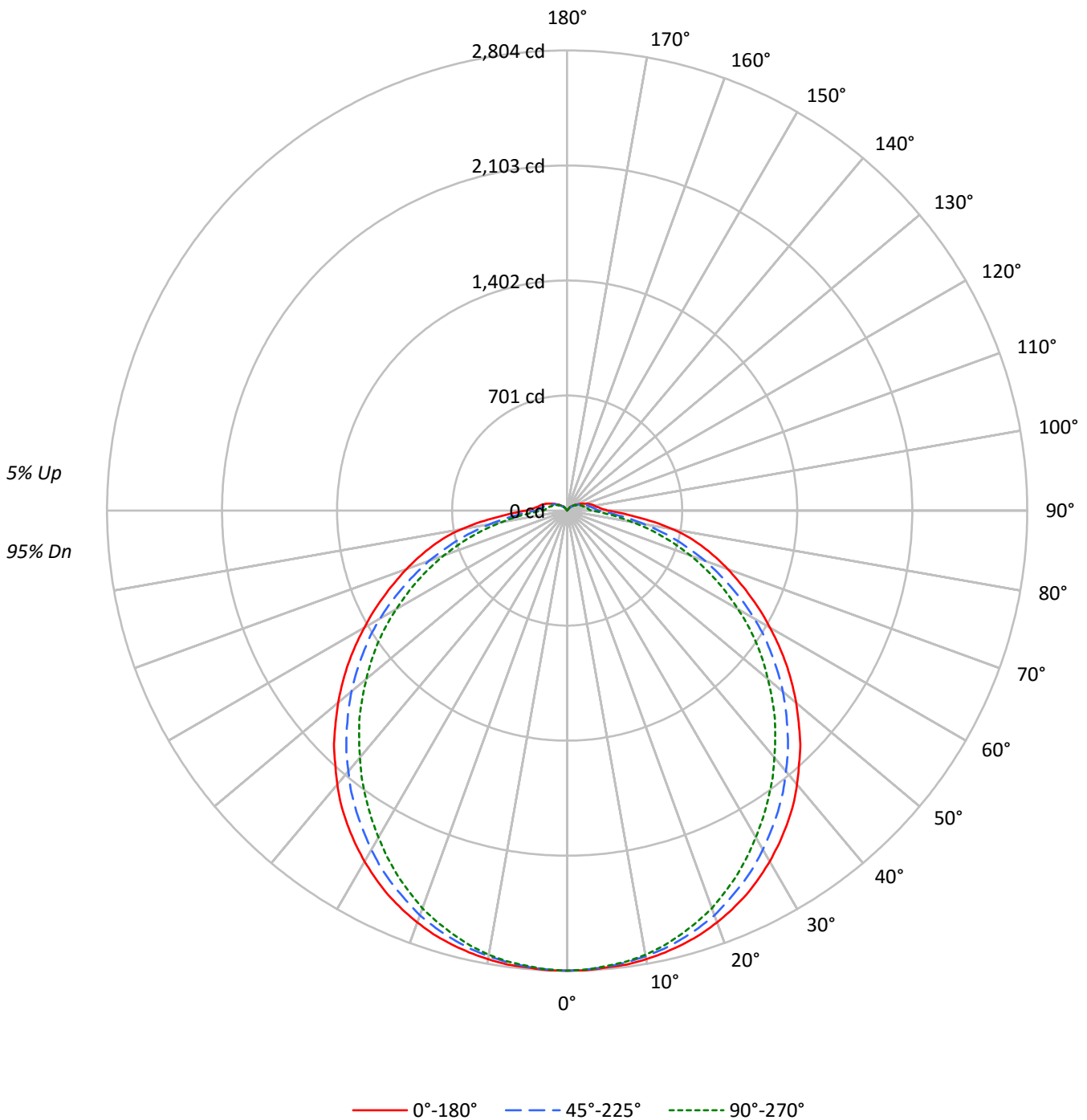
Lumens per Lamp: N/A
Luminaire Lumens: 9092.9 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 84.1
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°	7544	7544	7544
5°	7493	7459	7469
10°	7476	7382	7401
15°	7452	7299	7290
20°	7422	7207	7167
25°	7383	7077	7003
30°	7318	6942	6815
35°	7249	6795	6637
40°	7156	6630	6448
45°	7060	6467	6286
50°	6937	6300	6081
55°	6829	6099	5906
60°	6711	5886	5654
65°	6643	5597	5404
70°	6668	5318	5111
75°	6804	4937	4731
80°	6904	4432	4249
85°	6531	3983	3918



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.3	2.9
10°-20°	763.0	8.4
20°-30°	1158.9	12.7
30°-40°	1399.8	15.4
40°-50°	1465.1	16.1
50°-60°	1359.5	15.0
60°-70°	1101.1	12.1
70°-80°	743.1	8.2
80°-90°	359.0	3.9
90°-100°	180.6	2.0
100°-110°	131.3	1.4
110°-120°	87.8	1.0
120°-130°	50.9	0.6
130°-140°	25.6	0.3
140°-150°	2.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2187.2	24.1
0°-40°	3587.0	39.4
0°-60°	6411.6	70.5
0°-90°	8614.8	94.7
90°-120°	399.6	4.4
90°-150°	478.1	5.3
90°-180°	478.0	5.3
0°-180°	9092.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2804	2804	2804	2804	2804	
5°	2794	2790	2790	2785	2785	266
15°	2735	2721	2703	2684	2675	773
25°	2583	2560	2514	2469	2450	1190
35°	2336	2303	2239	2170	2138	1461
45°	2010	1973	1900	1822	1790	1548
55°	1629	1592	1519	1445	1409	1456
65°	1230	1184	1101	1042	1000	1220
75°	858	771	684	633	596	904
85°	413	358	303	275	248	390
90°	248	225	193	174	147	141
95°	197	184	165	147	128	155
105°	147	138	124	110	101	157
115°	101	92	92	78	78	100
125°	64	55	60	50	55	56
135°	37	32	32	32	37	29
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°	2803.5	2803.5	2803.5	2803.5	2803.5
2.5°	2803.5	2798.9	2798.9	2798.9	2798.9
5°	2794.3	2789.7	2789.7	2785.2	2785.2
7.5°	2789.7	2780.6	2776.0	2771.4	2771.4
10°	2776.0	2766.8	2757.6	2748.5	2748.5
12.5°	2757.6	2748.5	2734.7	2716.3	2716.3
15°	2734.7	2720.9	2702.6	2684.2	2675.0
17.5°	2707.2	2693.4	2665.9	2638.3	2629.2
20°	2670.4	2652.1	2624.6	2587.9	2578.7
22.5°	2629.2	2610.8	2569.5	2532.8	2514.4
25°	2583.3	2560.3	2514.4	2468.6	2450.2
27.5°	2528.2	2505.3	2454.8	2399.7	2376.8
30°	2468.6	2441.0	2386.0	2326.3	2298.8
32.5°	2404.3	2372.2	2312.6	2248.3	2220.8
35°	2335.5	2303.4	2239.1	2170.3	2138.2
37.5°	2262.1	2230.0	2161.1	2087.7	2055.6
40°	2179.5	2147.4	2074.0	2000.5	1963.8
42.5°	2092.3	2064.8	1991.4	1913.4	1876.7
45°	2009.7	1973.0	1899.6	1821.6	1789.5
47.5°	1913.4	1885.8	1807.8	1729.8	1693.1
50°	1821.6	1789.5	1716.1	1638.1	1596.8
52.5°	1725.2	1697.7	1619.7	1541.7	1505.0
55°	1628.9	1592.2	1518.8	1445.3	1408.6
57.5°	1527.9	1495.8	1422.4	1353.6	1307.7
60°	1427.0	1394.9	1316.9	1252.6	1202.2
62.5°	1330.6	1293.9	1211.3	1142.5	1101.2
65°	1229.7	1183.8	1101.2	1041.6	1000.3
67.5°	1133.3	1078.3	995.7	940.6	899.3
70°	1041.6	977.3	894.7	839.7	798.4
72.5°	949.8	871.8	784.6	734.1	697.4
75°	858.0	770.9	683.7	633.2	596.5
77.5°	766.3	665.3	578.1	536.8	500.1
80°	656.1	559.8	477.2	440.5	403.8
82.5°	532.3	454.3	385.4	348.7	321.2
85°	413.0	357.9	302.8	275.3	247.8
87.5°	321.2	279.9	238.6	215.7	192.7
90°	247.8	224.8	192.7	174.4	146.8
92.5°	215.7	197.3	174.4	156.0	133.1
95°	197.3	183.5	165.2	146.8	128.5
97.5°	178.9	169.8	151.4	137.7	119.3
100°	169.8	156.0	142.2	128.5	114.7
102.5°	160.6	146.8	133.1	119.3	110.1
105°	146.8	137.7	123.9	110.1	100.9
107.5°	137.7	123.9	114.7	100.9	96.4
110°	123.9	114.7	105.5	96.4	91.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	110.1	105.5	96.4	87.2	82.6
115°	100.9	91.8	91.8	78.0	78.0
117.5°	91.8	82.6	82.6	73.4	73.4
120°	78.0	73.4	73.4	64.2	64.2
122.5°	68.8	64.2	64.2	59.6	59.6
125°	64.2	55.1	59.6	50.5	55.1
127.5°	55.1	50.5	50.5	45.9	50.5
130°	45.9	41.3	41.3	41.3	45.9
132.5°	41.3	36.7	36.7	36.7	41.3
135°	36.7	32.1	32.1	32.1	36.7
137.5°	32.1	27.5	22.9	27.5	32.1
140°	27.5	22.9	18.4	22.9	27.5
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)