

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: P384155

Luminaire Tested: **22ID-75-L835-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-75-L835-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

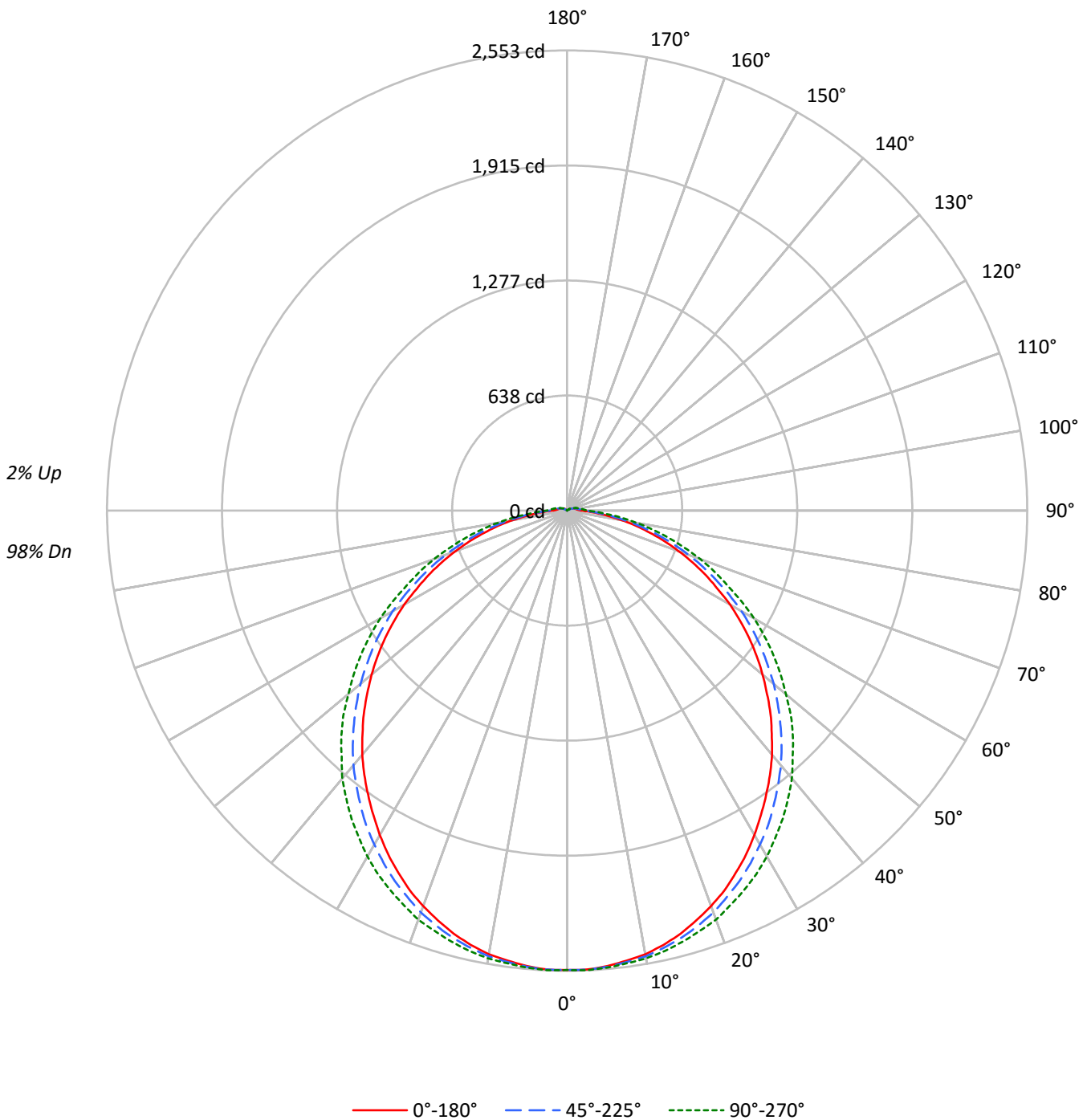
Lumens per Lamp: N/A
Luminaire Lumens: 7549.3 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6859	6859	6859
5°	6830	6830	6850
10°	6779	6790	6842
15°	6696	6728	6823
20°	6586	6653	6813
25°	6454	6548	6767
30°	6306	6429	6724
35°	6145	6303	6658
40°	6002	6175	6586
45°	5831	6011	6474
50°	5648	5854	6320
55°	5457	5664	6186
60°	5245	5458	6013
65°	4967	5150	5727
70°	4648	4847	5539
75°	4271	4436	5235
80°	3838	3957	4894
85°	3443	3532	4644



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.4	3.2
10°-20°	692.0	9.2
20°-30°	1044.8	13.8
30°-40°	1251.8	16.6
40°-50°	1294.3	17.1
50°-60°	1172.0	15.5
60°-70°	906.9	12.0
70°-80°	557.1	7.4
80°-90°	221.4	2.9
90°-100°	80.8	1.1
100°-110°	49.6	0.7
110°-120°	25.5	0.3
120°-130°	10.9	0.1
130°-140°	0.7	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1978.2	26.2
0°-40°	3230.0	42.8
0°-60°	5696.3	75.5
0°-90°	7381.8	97.8
90°-120°	155.9	2.1
90°-150°	167.5	2.2
90°-180°	168.0	2.2
0°-180°	7549.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2549	2549	2549	2549	2549	
5°	2538	2538	2541	2541	2545	241
15°	2430	2434	2453	2469	2476	685
25°	2216	2231	2266	2304	2323	1021
35°	1925	1948	1998	2051	2086	1205
45°	1596	1615	1672	1741	1772	1230
55°	1232	1259	1309	1366	1397	1101
65°	850	869	911	957	980	841
75°	475	498	520	555	582	506
85°	165	176	191	210	222	164
90°	76	88	96	107	115	45
95°	57	65	73	80	88	46
105°	42	42	46	50	54	45
115°	27	23	23	27	31	27
125°	15	12	8	12	15	14
135°	0	0	0	0	0	1
145°	0	0	0	0	0	0
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°	2549.0	2549.0	2549.0	2549.0	2549.0
2.5°	2549.0	2545.2	2549.0	2549.0	2552.8
5°	2537.5	2537.5	2541.3	2541.3	2545.2
7.5°	2518.4	2518.4	2526.0	2529.9	2533.7
10°	2499.2	2499.2	2510.7	2514.5	2522.2
12.5°	2468.6	2472.4	2483.9	2495.4	2503.1
15°	2430.3	2434.2	2453.3	2468.6	2476.3
17.5°	2384.4	2392.1	2415.0	2438.0	2445.7
20°	2334.7	2346.1	2372.9	2399.7	2415.0
22.5°	2281.1	2288.7	2319.4	2353.8	2369.1
25°	2216.0	2231.3	2265.8	2304.0	2323.2
27.5°	2151.0	2166.3	2204.5	2250.5	2273.4
30°	2078.2	2093.5	2139.5	2189.2	2216.0
32.5°	2001.7	2020.8	2074.4	2124.2	2151.0
35°	1925.1	1948.1	1997.9	2051.4	2085.9
37.5°	1848.6	1867.7	1921.3	1978.7	2013.2
40°	1768.2	1787.4	1844.8	1902.2	1940.4
42.5°	1680.2	1703.2	1760.6	1821.8	1852.4
45°	1596.0	1615.1	1672.5	1741.4	1772.0
47.5°	1504.1	1530.9	1584.5	1649.6	1684.0
50°	1416.1	1439.1	1496.5	1557.7	1584.5
52.5°	1324.3	1347.2	1400.8	1462.0	1492.7
55°	1232.4	1259.2	1308.9	1366.4	1397.0
57.5°	1136.7	1163.5	1213.3	1263.0	1297.5
60°	1044.9	1071.6	1117.6	1167.3	1197.9
62.5°	941.5	964.5	1014.2	1067.8	1090.8
65°	849.7	868.8	910.9	956.8	979.8
67.5°	754.0	776.9	815.2	857.3	884.1
70°	658.3	685.1	715.7	754.0	784.6
72.5°	566.4	589.4	616.2	654.5	681.3
75°	474.6	497.6	520.5	555.0	581.8
77.5°	394.2	405.7	428.7	459.3	486.1
80°	306.2	321.5	340.6	371.2	390.4
82.5°	229.6	244.9	260.3	283.2	302.4
85°	164.6	176.1	191.4	210.5	222.0
87.5°	111.0	122.5	134.0	149.3	160.7
90°	76.5	88.0	95.7	107.2	114.8
92.5°	65.1	72.7	80.4	88.0	95.7
95°	57.4	65.1	72.7	80.4	88.0
97.5°	53.6	57.4	65.1	72.7	76.5
100°	49.8	53.6	57.4	65.1	68.9
102.5°	45.9	45.9	53.6	57.4	61.2
105°	42.1	42.1	45.9	49.8	53.6
107.5°	38.3	38.3	42.1	42.1	49.8
110°	34.4	30.6	34.4	34.4	42.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	30.6	26.8	30.6	30.6	34.4
115°	26.8	23.0	23.0	26.8	30.6
117.5°	23.0	19.1	19.1	19.1	26.8
120°	23.0	19.1	15.3	15.3	23.0
122.5°	19.1	15.3	11.5	15.3	19.1
125°	15.3	11.5	7.7	11.5	15.3
127.5°	11.5	11.5	3.8	7.7	11.5
130°	11.5	7.7	3.8	7.7	7.7
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)