

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: P384671

Luminaire Tested: **22ID-90-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384671
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-90-L835-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

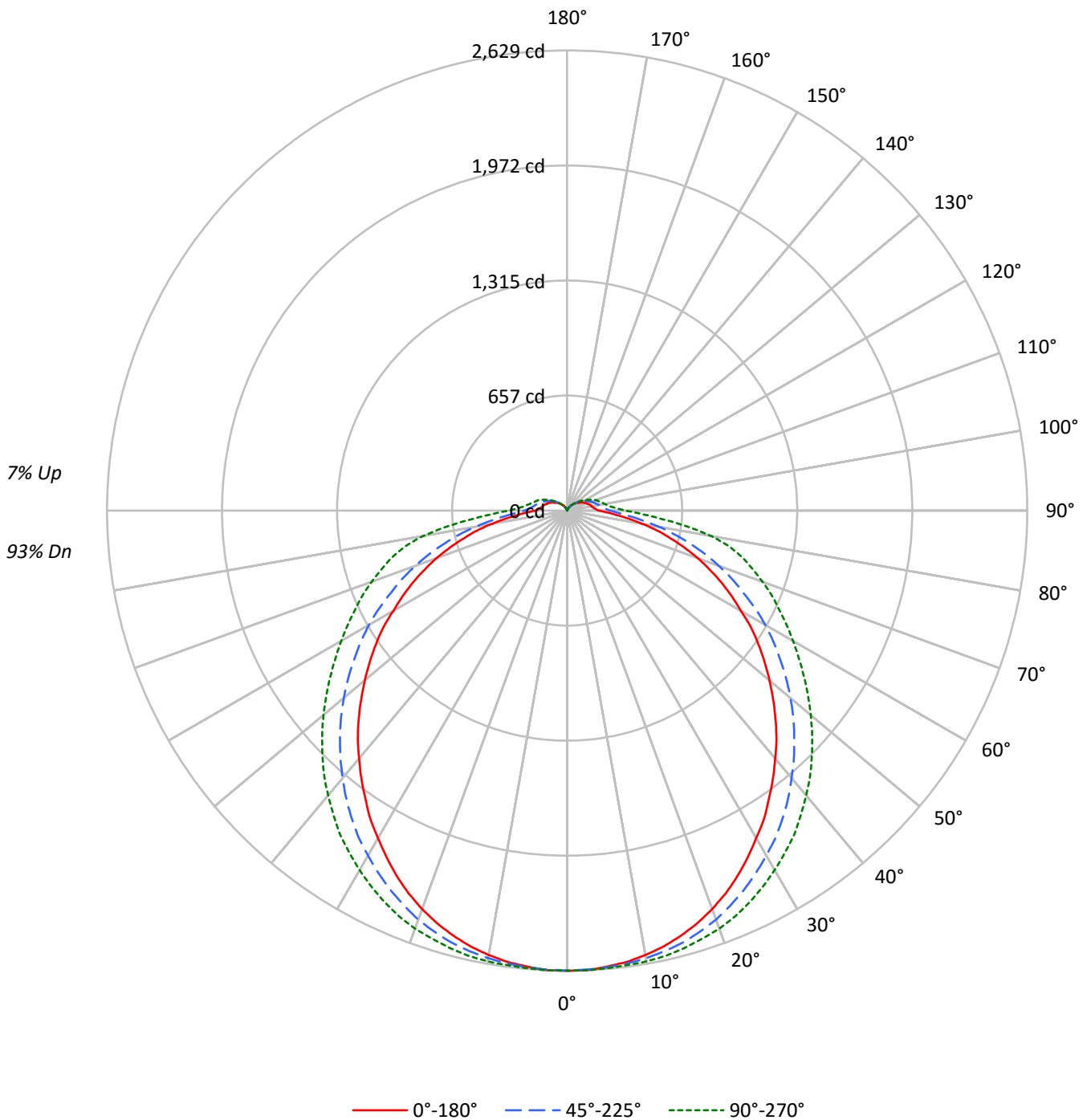
Lumens per Lamp: N/A
Luminaire Lumens: 9198.4 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 84.1
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°	7074	7074	7074
5°	6987	6968	7011
10°	6893	6880	6991
15°	6777	6797	6974
20°	6634	6690	6961
25°	6461	6556	6924
30°	6262	6415	6873
35°	6069	6276	6832
40°	5878	6104	6753
45°	5695	5934	6688
50°	5499	5758	6619
55°	5314	5568	6574
60°	5074	5387	6596
65°	4883	5125	6703
70°	4648	4883	6958
75°	4325	4540	7351
80°	3952	4118	7571
85°	3557	3610	6823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.2	2.7
10°-20°	720.2	7.8
20°-30°	1100.4	12.0
30°-40°	1339.5	14.6
40°-50°	1415.8	15.4
50°-60°	1336.4	14.5
60°-70°	1124.3	12.2
70°-80°	810.6	8.8
80°-90°	427.5	4.6
90°-100°	228.8	2.5
100°-110°	173.8	1.9
110°-120°	126.0	1.4
120°-130°	79.1	0.9
130°-140°	42.8	0.5
140°-150°	18.7	0.2
150°-160°	5.0	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	2069.9	22.5
0°-40°	3409.4	37.1
0°-60°	6161.6	67.0
0°-90°	8524.0	92.7
90°-120°	528.7	5.7
90°-150°	669.2	7.3
90°-180°	674.0	7.3
0°-180°	9198.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2629	2629	2629	2629	2629	
5°	2615	2615	2619	2619	2624	249
15°	2514	2523	2555	2574	2587	709
25°	2303	2330	2390	2445	2468	1061
35°	2009	2055	2147	2230	2262	1258
45°	1684	1734	1835	1936	1977	1299
55°	1335	1395	1486	1596	1652	1193
65°	972	1028	1110	1248	1335	961
75°	610	661	725	867	1037	648
85°	280	316	353	440	537	262
90°	179	211	243	289	330	102
95°	156	179	206	234	252	124
105°	133	147	165	184	193	139
115°	106	115	128	138	147	106
125°	78	78	92	92	96	70
135°	55	50	55	55	60	42
145°	32	28	28	28	32	20
155°	14	14	5	9	14	7
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°	2628.6	2628.6	2628.6	2628.6	2628.6
2.5°	2628.6	2624.0	2624.0	2624.0	2628.6
5°	2614.8	2614.8	2619.4	2619.4	2624.0
7.5°	2601.1	2601.1	2610.2	2614.8	2619.4
10°	2578.1	2582.7	2596.5	2605.6	2614.8
12.5°	2550.6	2555.2	2578.1	2596.5	2605.6
15°	2513.9	2523.1	2555.2	2573.5	2587.3
17.5°	2472.6	2486.4	2523.1	2550.6	2564.4
20°	2422.1	2440.5	2486.4	2523.1	2541.4
22.5°	2367.1	2385.4	2440.5	2486.4	2509.3
25°	2302.9	2330.4	2390.0	2445.1	2468.0
27.5°	2234.1	2266.2	2335.0	2399.2	2422.1
30°	2160.7	2197.4	2275.3	2344.2	2371.7
32.5°	2091.9	2128.6	2215.7	2289.1	2316.6
35°	2009.3	2055.2	2146.9	2229.5	2261.6
37.5°	1931.3	1977.2	2073.5	2160.7	2192.8
40°	1848.7	1894.6	1995.5	2091.9	2124.0
42.5°	1770.7	1816.6	1917.5	2018.5	2055.2
45°	1683.6	1734.0	1835.0	1935.9	1977.2
47.5°	1596.4	1646.9	1752.4	1857.9	1899.2
50°	1509.3	1564.3	1665.2	1770.7	1816.6
52.5°	1422.1	1477.1	1578.1	1688.2	1734.0
55°	1334.9	1394.6	1486.3	1596.4	1651.5
57.5°	1247.8	1307.4	1399.2	1513.8	1568.9
60°	1146.8	1215.7	1307.4	1426.7	1490.9
62.5°	1059.7	1119.3	1211.1	1334.9	1412.9
65°	972.5	1027.6	1110.1	1247.8	1334.9
67.5°	880.8	940.4	1018.4	1146.8	1266.1
70°	793.6	844.1	922.1	1055.1	1188.1
72.5°	701.9	752.3	825.7	963.4	1110.1
75°	610.1	660.6	724.8	867.0	1036.8
77.5°	527.6	568.8	628.5	766.1	949.6
80°	435.8	477.1	532.1	656.0	834.9
82.5°	353.2	389.9	435.8	545.9	688.1
85°	279.8	316.5	353.2	440.4	536.7
87.5°	224.8	252.3	289.0	353.2	417.5
90°	178.9	211.0	243.1	289.0	330.3
92.5°	165.1	192.7	220.2	256.9	284.4
95°	156.0	178.9	206.4	234.0	252.3
97.5°	146.8	169.7	192.7	220.2	234.0
100°	142.2	160.6	183.5	206.4	215.6
102.5°	137.6	151.4	174.3	192.7	206.4
105°	133.0	146.8	165.1	183.5	192.7
107.5°	123.9	137.6	156.0	174.3	183.5
110°	119.3	128.4	146.8	160.6	174.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	114.7	123.9	137.6	151.4	160.6
115°	105.5	114.7	128.4	137.6	146.8
117.5°	100.9	105.5	119.3	123.9	133.0
120°	91.7	96.3	110.1	114.7	119.3
122.5°	82.6	87.2	100.9	100.9	110.1
125°	78.0	78.0	91.7	91.7	96.3
127.5°	73.4	73.4	82.6	82.6	87.2
130°	64.2	64.2	73.4	73.4	73.4
132.5°	59.6	55.0	64.2	64.2	68.8
135°	55.0	50.5	55.0	55.0	59.6
137.5°	45.9	45.9	50.5	45.9	50.5
140°	41.3	36.7	41.3	41.3	45.9
142.5°	36.7	32.1	36.7	32.1	36.7
145°	32.1	27.5	27.5	27.5	32.1
147.5°	27.5	22.9	22.9	22.9	27.5
150°	22.9	18.3	18.3	18.3	22.9
152.5°	18.3	13.8	9.2	13.8	18.3
155°	13.8	13.8	4.6	9.2	13.8
157.5°	9.2	9.2	0.0	4.6	9.2
160°	4.6	4.6	0.0	4.6	4.6
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)