

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: P384559

Luminaire Tested: **14ID-20-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384559
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: 14ID-20-L835-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

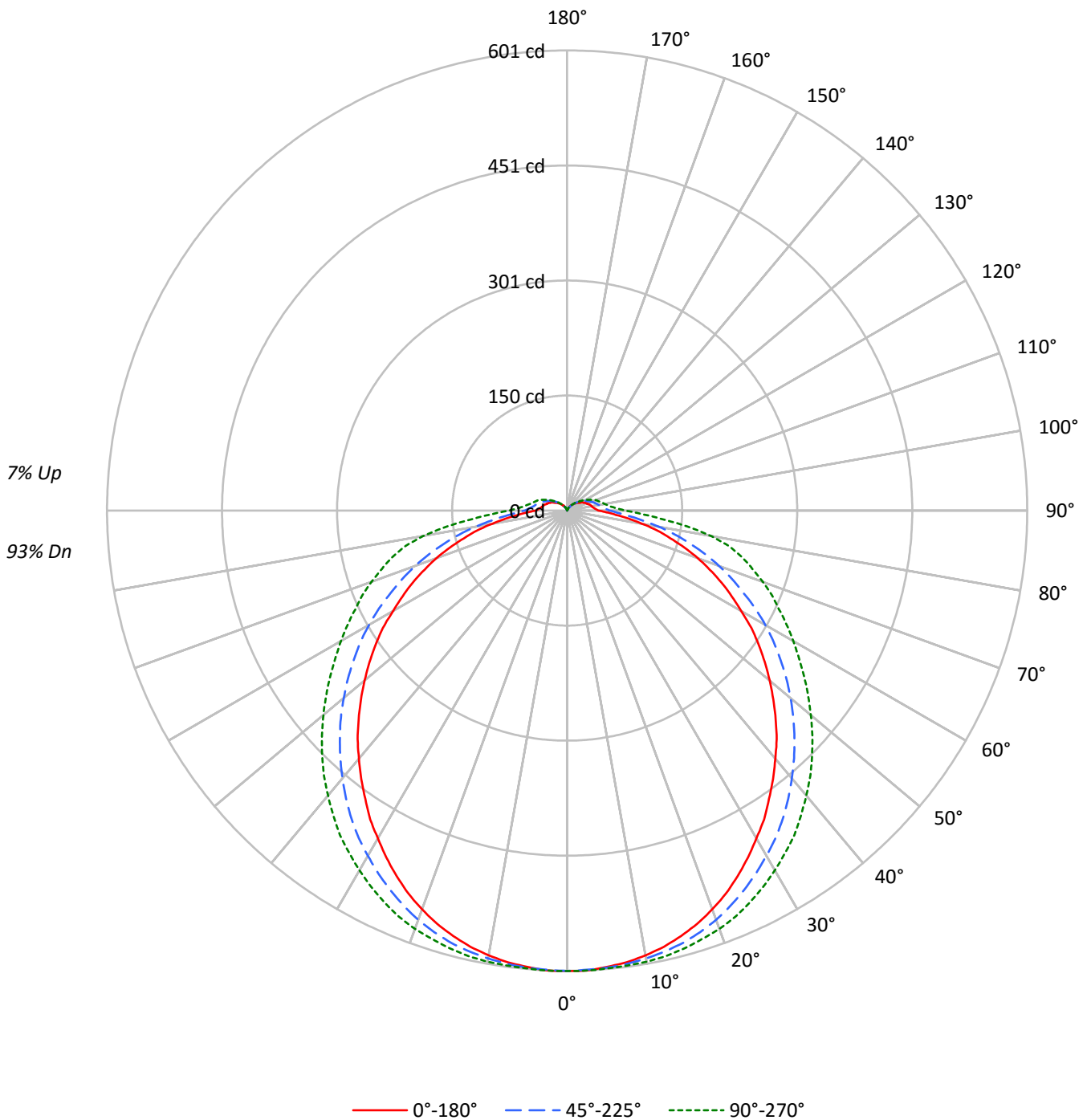
Lumens per Lamp: N/A
Luminaire Lumens: 2104.4 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 16.4
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°	1618	1618	1618
5°	1607	1588	1587
10°	1594	1562	1566
15°	1576	1538	1545
20°	1552	1508	1526
25°	1520	1472	1502
30°	1482	1435	1473
35°	1447	1397	1446
40°	1412	1353	1411
45°	1380	1308	1377
50°	1345	1263	1340
55°	1315	1213	1306
60°	1274	1164	1281
65°	1249	1097	1266
70°	1219	1033	1268
75°	1177	945	1276
80°	1141	837	1224
85°	1153	708	983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	2.7
10°-20°	164.8	7.8
20°-30°	251.8	12.0
30°-40°	306.5	14.6
40°-50°	323.9	15.4
50°-60°	305.8	14.5
60°-70°	257.2	12.2
70°-80°	185.5	8.8
80°-90°	97.8	4.6
90°-100°	52.4	2.5
100°-110°	39.8	1.9
110°-120°	28.8	1.4
120°-130°	18.1	0.9
130°-140°	9.8	0.5
140°-150°	4.3	0.2
150°-160°	1.1	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	473.6	22.5
0°-40°	780.0	37.1
0°-60°	1409.7	67.0
0°-90°	1950.2	92.7
90°-120°	120.9	5.7
90°-150°	153.1	7.3
90°-180°	154.0	7.3
0°-180°	2104.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	601	601	601	601	601	
5°	598	598	599	599	600	57
15°	575	577	585	589	592	162
25°	527	533	547	559	565	243
35°	460	470	491	510	517	288
45°	385	397	420	443	452	297
55°	305	319	340	365	378	273
65°	222	235	254	286	305	220
75°	140	151	166	198	237	148
85°	64	72	81	101	123	60
90°	41	48	56	66	76	23
95°	36	41	47	54	58	28
105°	30	34	38	42	44	32
115°	24	26	29	32	34	24
125°	18	18	21	21	22	16
135°	13	12	13	13	14	9
145°	7	6	6	6	7	5
155°	3	3	1	2	3	2
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°	601.4	601.4	601.4	601.4	601.4
2.5°	601.4	600.3	600.3	600.3	601.4
5°	598.2	598.2	599.3	599.3	600.3
7.5°	595.1	595.1	597.2	598.2	599.3
10°	589.8	590.9	594.0	596.1	598.2
12.5°	583.5	584.6	589.8	594.0	596.1
15°	575.2	577.3	584.6	588.8	591.9
17.5°	565.7	568.9	577.3	583.5	586.7
20°	554.2	558.4	568.9	577.3	581.5
22.5°	541.6	545.8	558.4	568.9	574.1
25°	526.9	533.2	546.8	559.4	564.7
27.5°	511.1	518.5	534.2	548.9	554.2
30°	494.3	502.7	520.6	536.3	542.6
32.5°	478.6	487.0	506.9	523.7	530.0
35°	459.7	470.2	491.2	510.1	517.4
37.5°	441.9	452.4	474.4	494.3	501.7
40°	423.0	433.5	456.6	478.6	485.9
42.5°	405.1	415.6	438.7	461.8	470.2
45°	385.2	396.7	419.8	442.9	452.4
47.5°	365.2	376.8	400.9	425.1	434.5
50°	345.3	357.9	381.0	405.1	415.6
52.5°	325.4	338.0	361.0	386.2	396.7
55°	305.4	319.1	340.1	365.2	377.8
57.5°	285.5	299.1	320.1	346.4	358.9
60°	262.4	278.1	299.1	326.4	341.1
62.5°	242.4	256.1	277.1	305.4	323.3
65°	222.5	235.1	254.0	285.5	305.4
67.5°	201.5	215.2	233.0	262.4	289.7
70°	181.6	193.1	211.0	241.4	271.8
72.5°	160.6	172.1	188.9	220.4	254.0
75°	139.6	151.1	165.8	198.4	237.2
77.5°	120.7	130.1	143.8	175.3	217.3
80°	99.7	109.2	121.7	150.1	191.0
82.5°	80.8	89.2	99.7	124.9	157.4
85°	64.0	72.4	80.8	100.8	122.8
87.5°	51.4	57.7	66.1	80.8	95.5
90°	40.9	48.3	55.6	66.1	75.6
92.5°	37.8	44.1	50.4	58.8	65.1
95°	35.7	40.9	47.2	53.5	57.7
97.5°	33.6	38.8	44.1	50.4	53.5
100°	32.5	36.7	42.0	47.2	49.3
102.5°	31.5	34.6	39.9	44.1	47.2
105°	30.4	33.6	37.8	42.0	44.1
107.5°	28.3	31.5	35.7	39.9	42.0
110°	27.3	29.4	33.6	36.7	39.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	26.2	28.3	31.5	34.6	36.7
115°	24.1	26.2	29.4	31.5	33.6
117.5°	23.1	24.1	27.3	28.3	30.4
120°	21.0	22.0	25.2	26.2	27.3
122.5°	18.9	19.9	23.1	23.1	25.2
125°	17.8	17.8	21.0	21.0	22.0
127.5°	16.8	16.8	18.9	18.9	19.9
130°	14.7	14.7	16.8	16.8	16.8
132.5°	13.6	12.6	14.7	14.7	15.7
135°	12.6	11.5	12.6	12.6	13.6
137.5°	10.5	10.5	11.5	10.5	11.5
140°	9.4	8.4	9.4	9.4	10.5
142.5°	8.4	7.3	8.4	7.3	8.4
145°	7.3	6.3	6.3	6.3	7.3
147.5°	6.3	5.2	5.2	5.2	6.3
150°	5.2	4.2	4.2	4.2	5.2
152.5°	4.2	3.1	2.1	3.1	4.2
155°	3.1	3.1	1.0	2.1	3.1
157.5°	2.1	2.1	0.0	1.0	2.1
160°	1.0	1.0	0.0	1.0	1.0
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)