

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: P384560

Luminaire Tested: **14ID-20-L840-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384560
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-L840-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

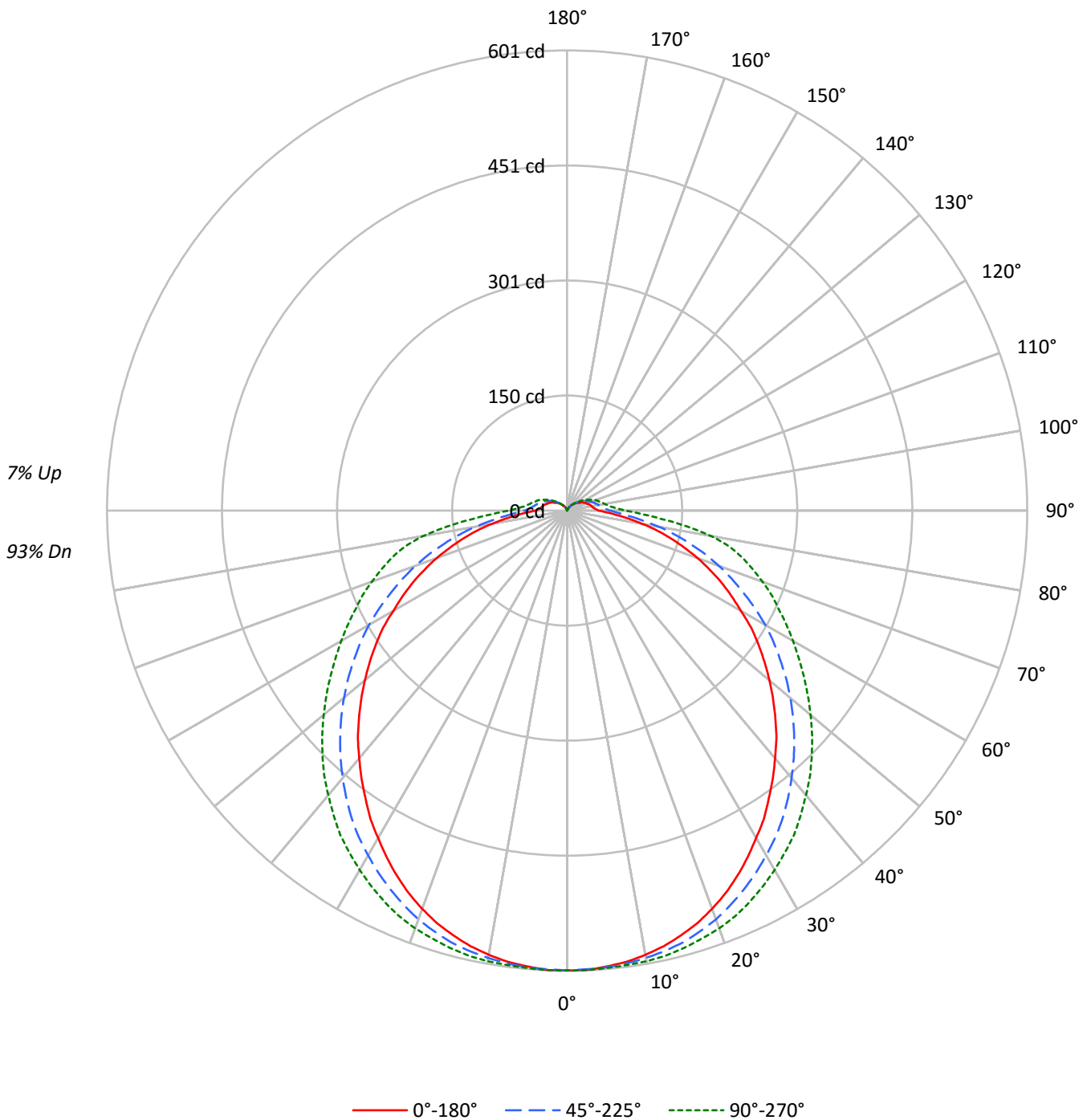
Lumens per Lamp: N/A
Luminaire Lumens: 2101.9 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 16.5
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°	1616	1616	1616
5°	1605	1586	1585
10°	1592	1560	1564
15°	1574	1536	1544
20°	1550	1506	1524
25°	1518	1470	1500
30°	1481	1433	1471
35°	1445	1396	1445
40°	1410	1351	1409
45°	1378	1307	1376
50°	1344	1261	1339
55°	1314	1211	1305
60°	1273	1163	1280
65°	1248	1096	1264
70°	1217	1032	1266
75°	1175	944	1274
80°	1140	836	1223
85°	1151	707	981



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	2.7
10°-20°	164.6	7.8
20°-30°	251.5	12.0
30°-40°	306.1	14.6
40°-50°	323.5	15.4
50°-60°	305.4	14.5
60°-70°	256.9	12.2
70°-80°	185.2	8.8
80°-90°	97.7	4.6
90°-100°	52.3	2.5
100°-110°	39.7	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°	473.0	22.5
0°-40°	779.1	37.1
0°-60°	1408.0	67.0
0°-90°	1947.8	92.7
90°-120°	120.8	5.7
90°-150°	152.9	7.3
90°-180°	154.0	7.3
0°-180°	2101.9	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°	574	576	584	588	591	162
25°	526	532	546	559	564	242
35°	459	470	491	510	517	288
45°	385	396	419	442	452	297
55°	305	319	340	365	377	273
65°	222	235	254	285	305	220
75°	139	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	31	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°	600.6	600.6	600.6	600.6	600.6
2.5°	600.6	599.6	599.6	599.6	600.6
5°	597.5	597.5	598.6	598.6	599.6
7.5°	594.4	594.4	596.5	597.5	598.6
10°	589.1	590.2	593.3	595.4	597.5
12.5°	582.8	583.9	589.1	593.3	595.4
15°	574.4	576.5	583.9	588.1	591.2
17.5°	565.0	568.2	576.5	582.8	586.0
20°	553.5	557.7	568.2	576.5	580.7
22.5°	540.9	545.1	557.7	568.2	573.4
25°	526.2	532.5	546.1	558.7	564.0
27.5°	510.5	517.8	533.6	548.2	553.5
30°	493.7	502.1	519.9	535.7	541.9
32.5°	478.0	486.4	506.3	523.1	529.4
35°	459.1	469.6	490.6	509.5	516.8
37.5°	441.3	451.8	473.8	493.7	501.1
40°	422.4	432.9	456.0	478.0	485.3
42.5°	404.6	415.1	438.2	461.2	469.6
45°	384.7	396.2	419.3	442.4	451.8
47.5°	364.8	376.3	400.4	424.5	434.0
50°	344.9	357.5	380.5	404.6	415.1
52.5°	325.0	337.5	360.6	385.8	396.2
55°	305.0	318.7	339.6	364.8	377.4
57.5°	285.1	298.8	319.7	345.9	358.5
60°	262.1	277.8	298.8	326.0	340.7
62.5°	242.1	255.8	276.7	305.0	322.9
65°	222.2	234.8	253.7	285.1	305.0
67.5°	201.3	214.9	232.7	262.1	289.3
70°	181.3	192.9	210.7	241.1	271.5
72.5°	160.4	171.9	188.7	220.1	253.7
75°	139.4	150.9	165.6	198.1	236.9
77.5°	120.5	130.0	143.6	175.1	217.0
80°	99.6	109.0	121.6	149.9	190.8
82.5°	80.7	89.1	99.6	124.7	157.2
85°	63.9	72.3	80.7	100.6	122.6
87.5°	51.4	57.7	66.0	80.7	95.4
90°	40.9	48.2	55.6	66.0	75.5
92.5°	37.7	44.0	50.3	58.7	65.0
95°	35.6	40.9	47.2	53.5	57.7
97.5°	33.5	38.8	44.0	50.3	53.5
100°	32.5	36.7	41.9	47.2	49.3
102.5°	31.4	34.6	39.8	44.0	47.2
105°	30.4	33.5	37.7	41.9	44.0
107.5°	28.3	31.4	35.6	39.8	41.9
110°	27.3	29.4	33.5	36.7	39.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	26.2	28.3	31.4	34.6	36.7
115°	24.1	26.2	29.4	31.4	33.5
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)