

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: P383732

Luminaire Tested: **14ID-35-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-35-L840-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

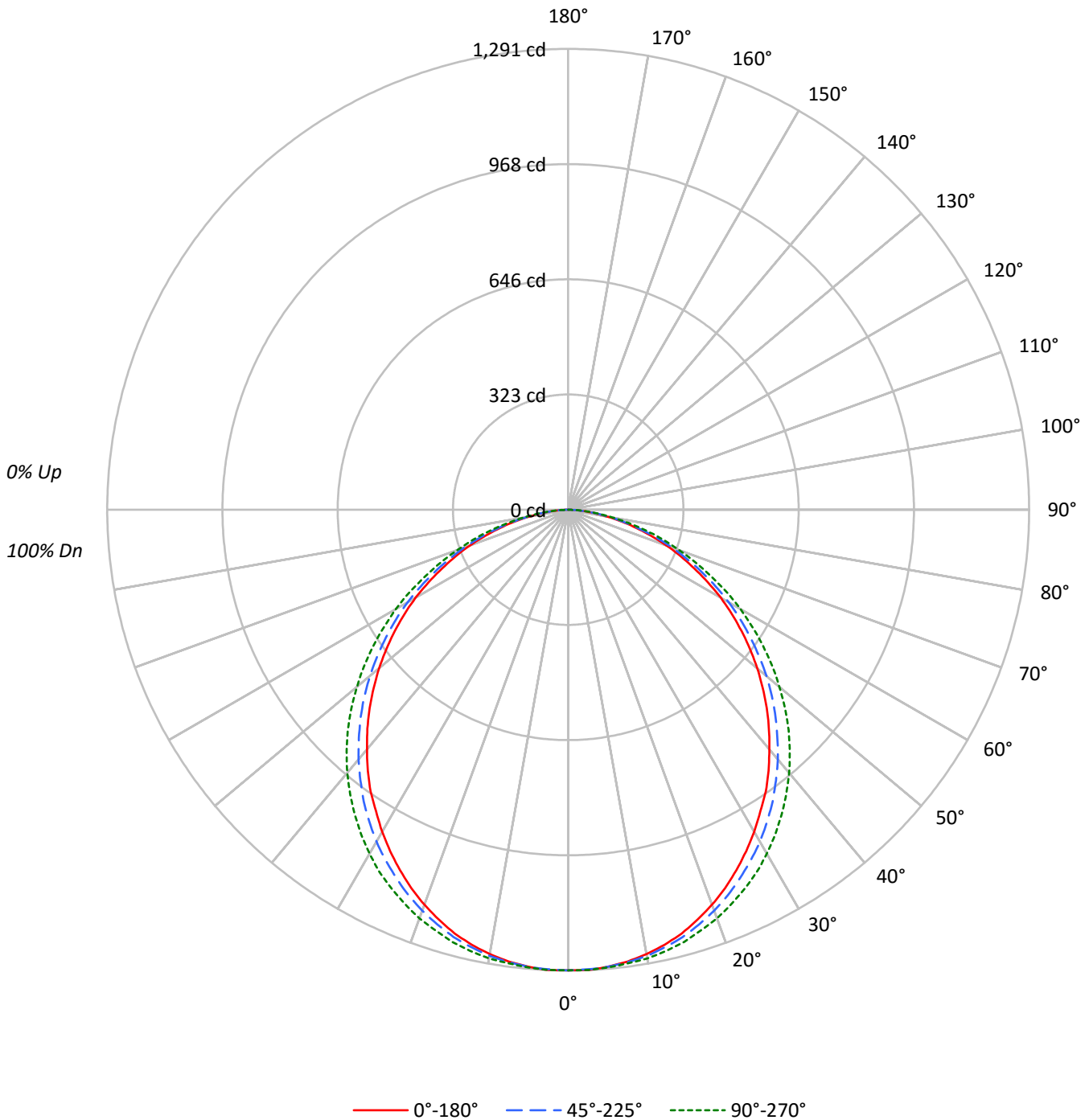
Lumens per Lamp: N/A
Luminaire Lumens: 3505.0 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.5
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3473	3473	3473
5°	3472	3472	3477
10°	3454	3469	3488
15°	3424	3453	3492
20°	3373	3423	3489
25°	3309	3382	3476
30°	3238	3336	3457
35°	3168	3278	3423
40°	3078	3208	3381
45°	2992	3127	3321
50°	2893	3033	3233
55°	2779	2920	3126
60°	2657	2799	2998
65°	2481	2627	2807
70°	2303	2427	2594
75°	2053	2163	2347
80°	1722	1804	1967
85°	1306	1306	1470



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	3.5
10°-20°	349.5	10.0
20°-30°	525.5	15.0
30°-40°	625.2	17.8
40°-50°	636.1	18.1
50°-60°	559.8	16.0
60°-70°	410.7	11.7
70°-80°	222.9	6.4
80°-90°	53.2	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	997.2	28.4
0°-40°	1622.3	46.3
0°-60°	2818.2	80.4
0°-90°	3505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3505.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1291	1291	1291	1291	1291	
5°	1285	1284	1285	1285	1287	122
15°	1229	1231	1239	1246	1254	346
25°	1114	1121	1139	1158	1171	513
35°	964	972	998	1028	1042	602
45°	786	793	822	857	873	606
55°	592	601	622	652	666	530
65°	390	397	413	430	441	387
75°	198	201	208	219	226	210
85°	42	42	42	46	48	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1290.6	1290.6	1290.6	1290.6	1290.6
2.5°	1290.6	1288.8	1288.8	1288.8	1290.6
5°	1285.3	1283.5	1285.3	1285.3	1287.0
7.5°	1276.5	1274.7	1278.2	1280.0	1281.8
10°	1264.1	1264.1	1269.4	1272.9	1276.5
12.5°	1248.3	1250.0	1255.3	1260.6	1265.9
15°	1228.9	1230.6	1239.4	1246.5	1253.5
17.5°	1204.2	1207.7	1218.3	1228.9	1235.9
20°	1177.7	1183.0	1195.4	1209.5	1218.3
22.5°	1147.8	1154.8	1168.9	1186.5	1195.4
25°	1114.3	1121.3	1138.9	1158.3	1170.7
27.5°	1079.0	1087.8	1107.2	1130.1	1144.2
30°	1042.0	1050.8	1073.7	1098.4	1112.5
32.5°	1001.4	1012.0	1036.7	1064.9	1079.0
35°	964.4	971.5	997.9	1027.9	1042.0
37.5°	922.1	930.9	955.6	987.3	1003.2
40°	876.2	885.1	913.3	945.0	962.6
42.5°	832.2	839.2	867.4	902.7	918.6
45°	786.3	793.4	821.6	856.9	872.7
47.5°	738.7	747.5	774.0	807.5	823.4
50°	691.1	698.2	724.6	756.4	772.2
52.5°	641.8	648.8	673.5	705.2	721.1
55°	592.4	601.2	622.4	652.3	666.4
57.5°	543.0	551.8	571.2	599.4	611.8
60°	493.7	500.7	520.1	544.8	557.1
62.5°	440.8	446.1	465.5	490.1	500.7
65°	389.6	396.7	412.6	430.2	440.8
67.5°	342.0	345.6	359.7	379.1	386.1
70°	292.7	296.2	308.5	324.4	329.7
72.5°	243.3	248.6	257.4	271.5	278.6
75°	197.5	201.0	208.0	218.6	225.7
77.5°	153.4	155.2	160.4	169.3	174.5
80°	111.1	112.8	116.4	123.4	126.9
82.5°	74.0	75.8	77.6	81.1	84.6
85°	42.3	42.3	42.3	45.8	47.6
87.5°	15.9	14.1	14.1	14.1	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)