

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: P385077

Luminaire Tested: **14ID-35-L850-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385077  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-35-L850-CNC  
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

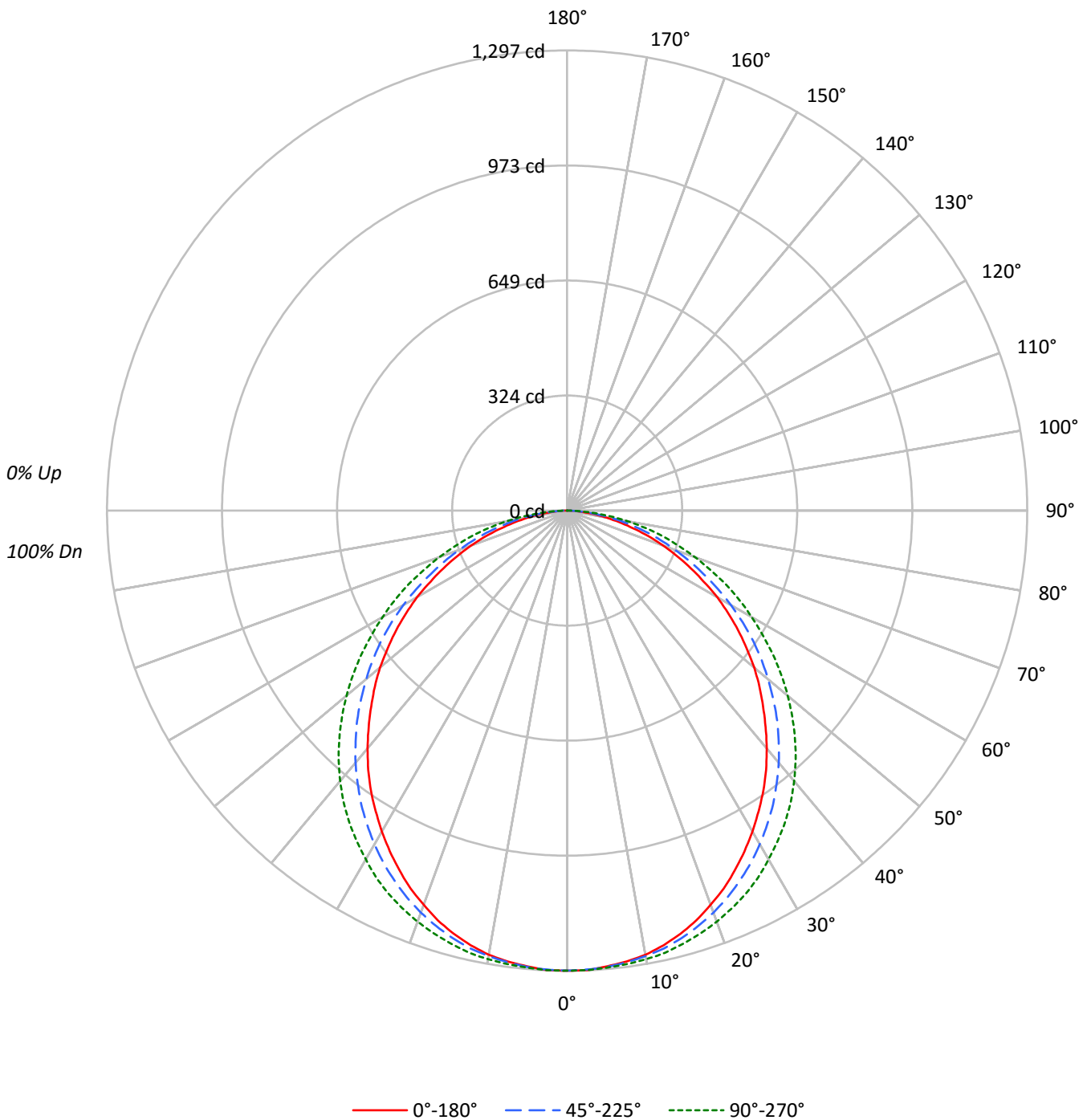
Lumens per Lamp: N/A  
Luminaire Lumens: 3600.3 lumens  
Efficiency: N/A  
Efficacy: 126.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.5  
Input Voltage (V): NR  
Input Current (Ain): 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	94	98	94	91		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41		52	46	41		51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36		48	41	36		46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32		44	37	32		43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29		40	34	29		39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27		37	31	26		37	31	26	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3489	3489	3489
5°	3483	3488	3493
10°	3474	3484	3509
15°	3441	3476	3521
20°	3386	3453	3531
25°	3322	3419	3537
30°	3245	3375	3527
35°	3168	3323	3520
40°	3075	3260	3496
45°	2972	3186	3456
50°	2882	3095	3399
55°	2761	2999	3323
60°	2629	2873	3235
65°	2451	2706	3145
70°	2257	2544	3015
75°	2001	2360	2889
80°	1689	2111	2673
85°	1235	1627	2130



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.8	3.4
10°-20°	352.1	9.8
20°-30°	531.1	14.8
30°-40°	634.1	17.6
40°-50°	648.0	18.0
50°-60°	574.6	16.0
60°-70°	428.4	11.9
70°-80°	244.7	6.8
80°-90°	64.5	1.8
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°	1006.0	27.9
0°-40°	1640.0	45.6
0°-60°	2862.7	79.5
0°-90°	3600.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3600.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1297	1297	1297	1297	1297	
5°	1289	1289	1291	1291	1293	123
15°	1235	1239	1248	1259	1264	348
25°	1119	1128	1151	1177	1191	515
35°	964	977	1012	1052	1072	602
45°	781	797	837	883	908	603
55°	588	599	639	685	708	526
65°	385	394	425	469	494	382
75°	192	202	227	262	278	205
85°	40	42	53	65	69	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1296.7	1296.7	1296.7	1296.7	1296.7
2.5°	1296.7	1294.9	1294.9	1294.9	1296.7
5°	1289.4	1289.4	1291.3	1291.3	1293.1
7.5°	1282.2	1282.2	1284.0	1285.8	1289.4
10°	1271.3	1271.3	1274.9	1280.4	1284.0
12.5°	1254.9	1256.7	1264.0	1271.3	1276.7
15°	1235.0	1238.6	1247.7	1258.6	1264.0
17.5°	1211.3	1215.0	1227.7	1242.2	1249.5
20°	1182.3	1189.6	1205.9	1224.1	1233.1
22.5°	1153.2	1160.5	1180.5	1202.3	1213.2
25°	1118.7	1127.8	1151.4	1176.8	1191.4
27.5°	1082.4	1093.3	1120.5	1149.6	1165.9
30°	1044.3	1057.0	1086.0	1118.7	1135.1
32.5°	1004.3	1017.0	1049.7	1086.0	1104.2
35°	964.4	977.1	1011.6	1051.5	1071.5
37.5°	920.8	933.5	969.8	1013.4	1035.2
40°	875.4	889.9	928.0	971.6	995.2
42.5°	828.1	844.5	882.6	929.8	953.5
45°	780.9	797.3	837.2	882.6	908.1
47.5°	735.5	748.2	788.2	835.4	860.8
50°	688.3	699.2	739.2	786.4	811.8
52.5°	637.5	652.0	690.1	737.3	760.9
55°	588.4	599.3	639.3	684.7	708.3
57.5°	537.6	548.5	586.6	632.0	653.8
60°	488.5	499.4	533.9	579.3	601.1
62.5°	434.1	444.9	479.5	526.7	548.5
65°	385.0	394.1	425.0	468.6	494.0
67.5°	336.0	345.1	374.1	415.9	435.9
70°	286.9	294.2	323.3	361.4	383.2
72.5°	239.7	247.0	276.0	310.6	328.7
75°	192.5	201.6	227.0	261.5	277.9
77.5°	148.9	158.0	179.8	210.7	225.2
80°	109.0	116.2	136.2	159.8	172.5
82.5°	72.6	78.1	92.6	112.6	121.7
85°	40.0	41.8	52.7	65.4	69.0
87.5°	16.3	16.3	20.0	21.8	23.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)