

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: P385242

Luminaire Tested: **14ID-35-L830-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385242  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-35-L830-CNV  
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

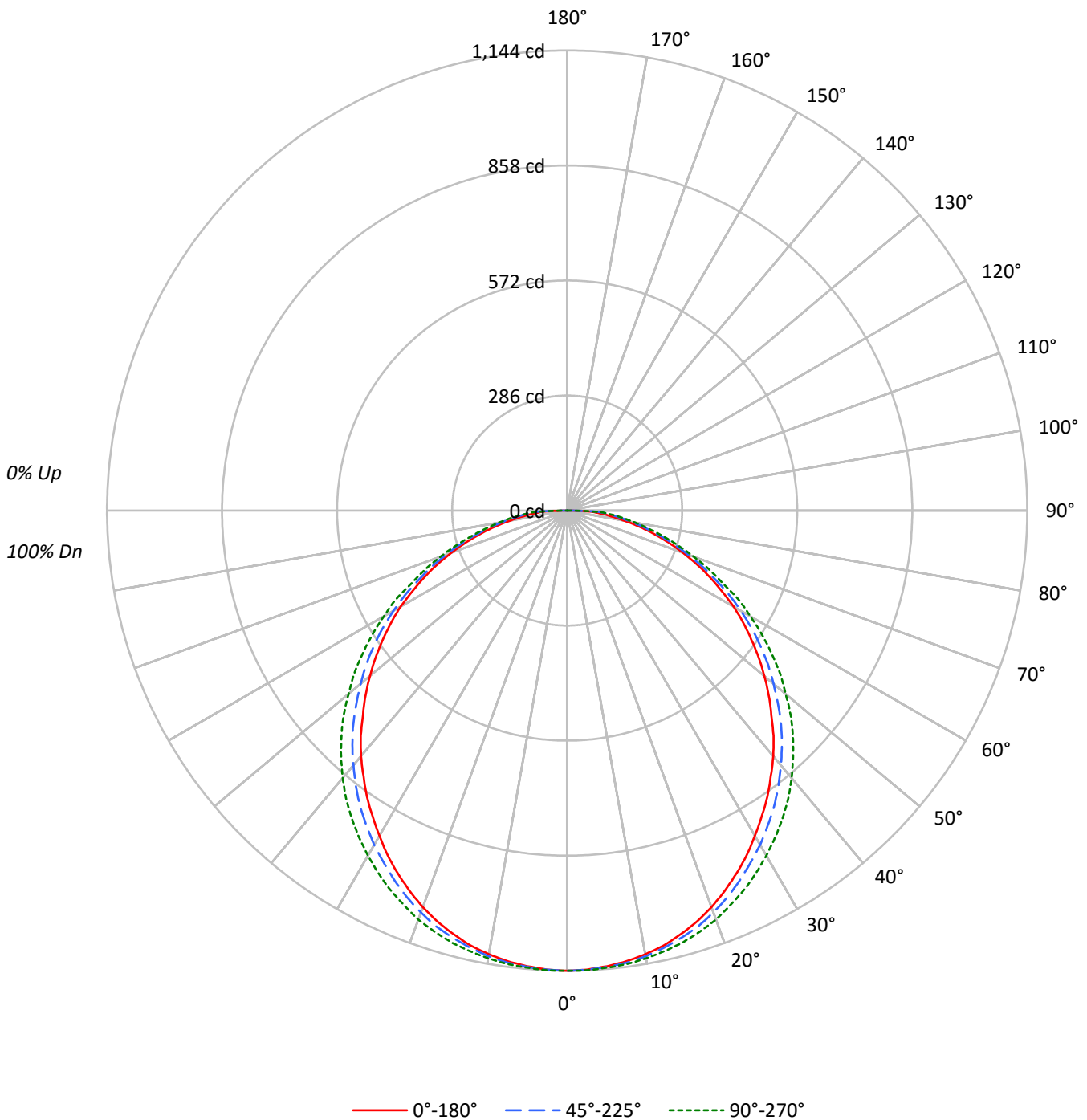
Lumens per Lamp: N/A  
Luminaire Lumens: 3318.4 lumens  
Efficiency: N/A  
Efficacy: 116.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 28.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



TEST NUMBER: P385242  
CATALOG NUMBER: 14ID-35-L830-CNV

### Luminous Intensity Polar Plot





TEST NUMBER: P385242

CATALOG NUMBER: 14ID-35-L830-CNV

**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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

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

	0°	45°	90°
0°	3079	3079	3079
5°	3061	3037	3037
10°	3038	2996	3000
15°	3005	2946	2964
20°	2960	2889	2921
25°	2900	2819	2867
30°	2833	2748	2808
35°	2771	2672	2746
40°	2706	2584	2675
45°	2623	2496	2589
50°	2553	2385	2477
55°	2476	2274	2354
60°	2399	2138	2198
65°	2290	1971	1999
70°	2156	1788	1807
75°	2003	1586	1582
80°	1795	1369	1361
85°	1696	1191	1155



TEST NUMBER: P385242

CATALOG NUMBER: 14ID-35-L830-CNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.3	3.3
10°-20°	310.2	9.3
20°-30°	468.2	14.1
30°-40°	561.9	16.9
40°-50°	581.6	17.5
50°-60°	526.8	15.9
60°-70°	405.9	12.2
70°-80°	251.2	7.6
80°-90°	104.3	3.1
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°	886.7	26.7
0°-40°	1448.6	43.7
0°-60°	2557.0	77.1
0°-90°	3318.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3318.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1137	1137	1139	1139	1141	108
15°	1091	1092	1099	1106	1111	308
25°	996	999	1015	1032	1041	459
35°	868	875	897	922	934	543
45°	718	728	752	780	794	555
55°	559	568	587	613	621	501
65°	392	395	407	424	426	387
75°	223	228	236	247	247	236
85°	81	90	104	110	109	88
90°	0	0	0	0	0	



TEST NUMBER: P385242

CATALOG NUMBER: 14ID-35-L830-CNV

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1144.1	1144.1	1144.1	1144.1	1144.1
2.5°	1142.4	1142.4	1142.4	1142.4	1144.1
5°	1137.2	1137.2	1138.9	1138.9	1140.7
7.5°	1130.3	1130.3	1133.8	1133.8	1137.2
10°	1120.0	1121.7	1125.1	1126.9	1130.3
12.5°	1107.9	1107.9	1113.1	1118.2	1121.7
15°	1090.6	1092.3	1099.2	1106.2	1111.3
17.5°	1071.6	1073.4	1083.7	1090.6	1097.5
20°	1049.2	1050.9	1063.0	1073.4	1082.0
22.5°	1023.3	1026.8	1040.6	1054.4	1061.3
25°	995.7	999.2	1014.7	1031.9	1040.6
27.5°	966.4	971.6	987.1	1006.1	1016.4
30°	933.6	940.5	959.5	980.2	990.5
32.5°	900.8	907.7	928.4	952.6	962.9
35°	868.0	874.9	897.3	921.5	933.6
37.5°	831.8	838.7	862.8	888.7	902.5
40°	797.3	804.2	826.6	855.9	868.0
42.5°	759.3	766.2	790.4	818.0	831.8
45°	717.9	728.2	752.4	780.0	793.8
47.5°	679.9	688.5	711.0	740.3	754.1
50°	640.2	648.9	669.6	698.9	709.2
52.5°	600.5	609.2	629.9	657.5	667.8
55°	559.1	567.7	586.7	612.6	621.2
57.5°	519.4	526.3	543.6	567.7	574.6
60°	478.0	484.9	498.7	521.2	526.3
62.5°	433.1	438.3	453.9	474.6	481.5
65°	391.7	395.2	407.3	424.5	426.2
67.5°	348.6	352.0	364.1	376.2	381.4
70°	305.4	310.6	319.2	331.3	334.8
72.5°	264.0	269.2	277.8	288.2	289.9
75°	222.6	227.8	236.4	246.8	246.8
77.5°	182.9	188.1	198.5	207.1	207.1
80°	143.2	151.9	162.2	170.8	170.8
82.5°	110.4	117.3	131.2	138.1	138.1
85°	81.1	89.7	103.5	110.4	108.7
87.5°	58.7	67.3	79.4	84.6	82.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)