

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: P385135

Luminaire Tested: **22ID-40-L835-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385135  
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: 22ID-40-L835-CNC  
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

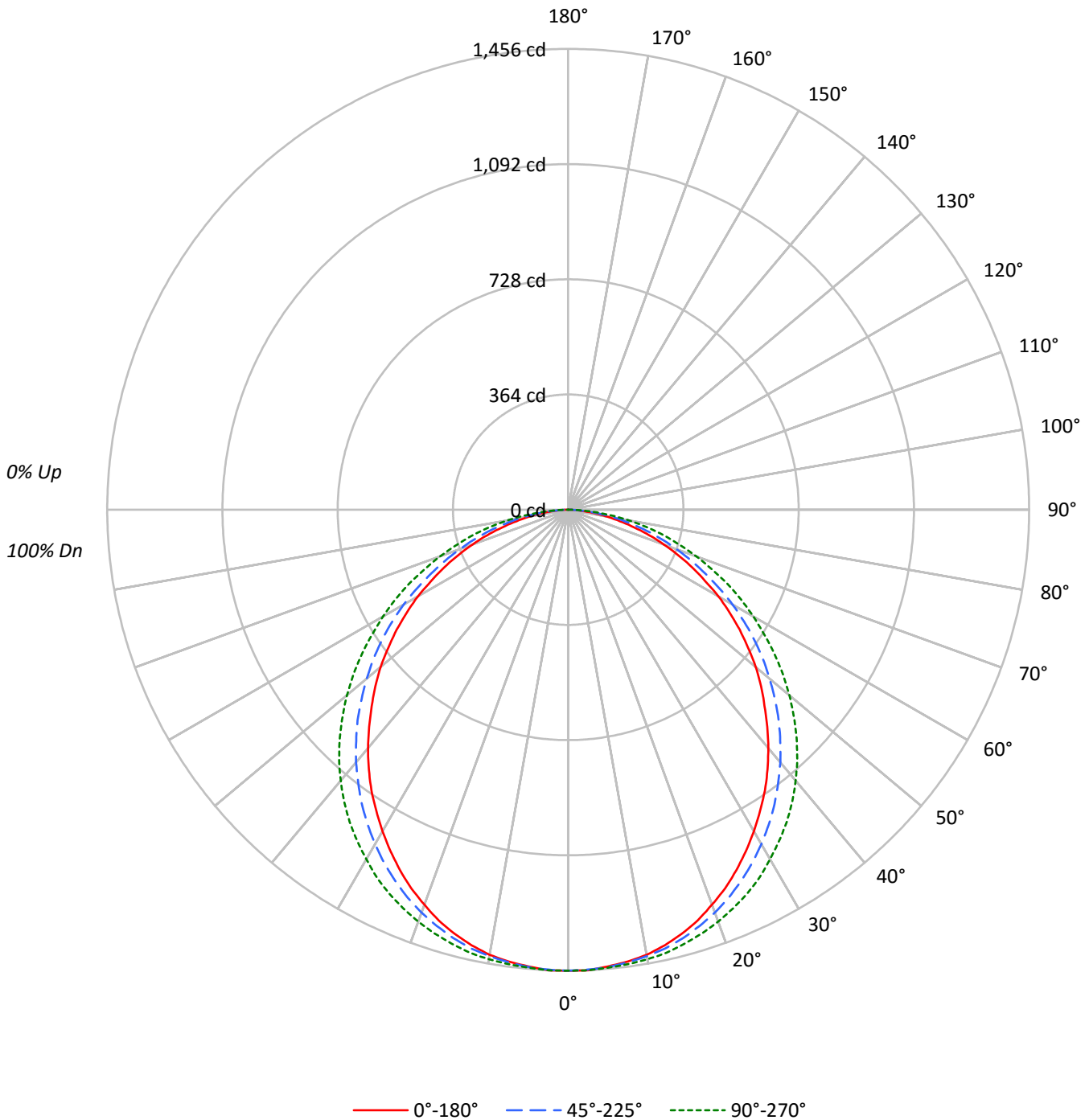
Lumens per Lamp: N/A  
Luminaire Lumens: 4044.1 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 32.5  
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°	3919	3919	3919
5°	3913	3918	3924
10°	3902	3913	3941
15°	3865	3904	3955
20°	3803	3879	3966
25°	3731	3840	3973
30°	3645	3791	3962
35°	3558	3733	3954
40°	3454	3662	3927
45°	3338	3579	3882
50°	3237	3476	3818
55°	3101	3369	3733
60°	2954	3228	3634
65°	2754	3040	3533
70°	2536	2857	3386
75°	2248	2651	3245
80°	1897	2371	3003
85°	1386	1828	2393



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.9	3.4
10°-20°	395.5	9.8
20°-30°	596.6	14.8
30°-40°	712.2	17.6
40°-50°	727.9	18.0
50°-60°	645.5	16.0
60°-70°	481.2	11.9
70°-80°	274.9	6.8
80°-90°	72.5	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°	1130.0	27.9
0°-40°	1842.2	45.6
0°-60°	3215.6	79.5
0°-90°	4044.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4044.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1456	1456	1456	1456	1456	
5°	1448	1448	1450	1450	1452	138
15°	1387	1391	1402	1414	1420	391
25°	1257	1267	1293	1322	1338	579
35°	1083	1098	1136	1181	1204	677
45°	877	896	940	991	1020	678
55°	661	673	718	769	796	591
65°	432	443	477	526	555	429
75°	216	226	255	294	312	231
85°	45	47	59	73	78	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1456.5	1456.5	1456.5	1456.5	1456.5
2.5°	1456.5	1454.5	1454.5	1454.5	1456.5
5°	1448.4	1448.4	1450.4	1450.4	1452.5
7.5°	1440.2	1440.2	1442.3	1444.3	1448.4
10°	1428.0	1428.0	1432.1	1438.2	1442.3
12.5°	1409.6	1411.7	1419.8	1428.0	1434.1
15°	1387.2	1391.3	1401.5	1413.7	1419.8
17.5°	1360.7	1364.7	1379.0	1395.3	1403.5
20°	1328.0	1336.2	1354.5	1374.9	1385.1
22.5°	1295.4	1303.5	1326.0	1350.5	1362.7
25°	1256.6	1266.8	1293.3	1321.9	1338.2
27.5°	1215.8	1228.1	1258.7	1291.3	1309.7
30°	1173.0	1187.3	1219.9	1256.6	1275.0
32.5°	1128.1	1142.4	1179.1	1219.9	1240.3
35°	1083.2	1097.5	1136.3	1181.1	1203.6
37.5°	1034.3	1048.5	1089.3	1138.3	1162.8
40°	983.3	999.6	1042.4	1091.4	1117.9
42.5°	930.2	948.6	991.4	1044.5	1071.0
45°	877.2	895.5	940.4	991.4	1020.0
47.5°	826.2	840.5	885.3	938.4	966.9
50°	773.2	785.4	830.3	883.3	911.9
52.5°	716.0	732.4	775.2	828.2	854.8
55°	661.0	673.2	718.1	769.1	795.6
57.5°	603.8	616.1	658.9	709.9	734.4
60°	548.8	561.0	599.8	650.8	675.2
62.5°	487.6	499.8	538.6	591.6	616.1
65°	432.5	442.7	477.4	526.3	554.9
67.5°	377.4	387.6	420.2	467.2	489.6
70°	322.3	330.5	363.1	406.0	430.4
72.5°	269.3	277.4	310.1	348.8	369.2
75°	216.2	226.4	255.0	293.8	312.1
77.5°	167.3	177.5	202.0	236.6	253.0
80°	122.4	130.6	153.0	179.5	193.8
82.5°	81.6	87.7	104.0	126.5	136.7
85°	44.9	46.9	59.2	73.4	77.5
87.5°	18.4	18.4	22.4	24.5	26.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)