

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: P383735

Luminaire Tested: **14ID-40-L835-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383735  
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-40-L835-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

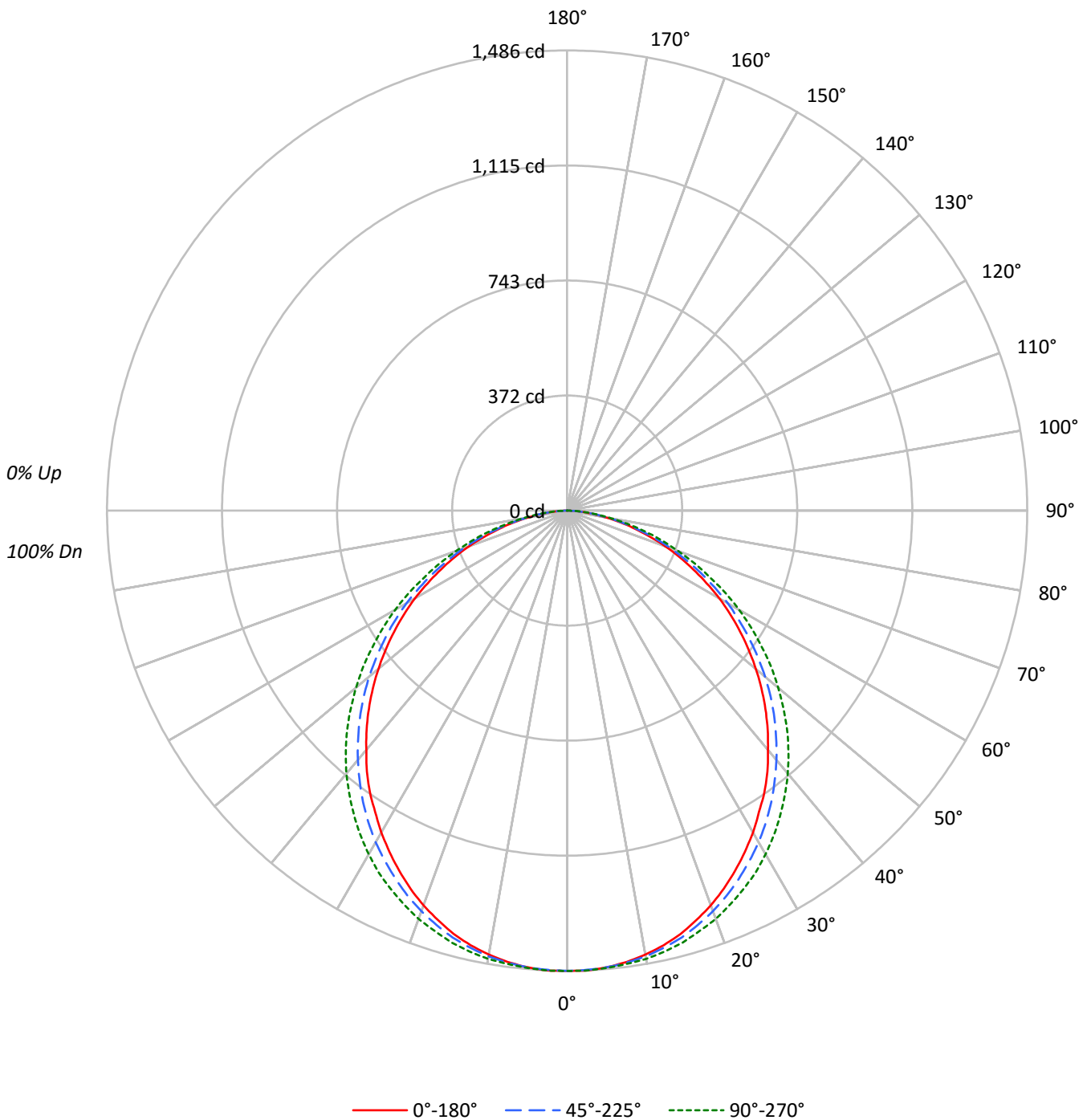
Lumens per Lamp: N/A  
Luminaire Lumens: 4037.1 lumens  
Efficiency: N/A  
Efficacy: 120.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.4  
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



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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°	4000	4000	4000
5°	3999	3999	4004
10°	3979	3995	4017
15°	3943	3977	4022
20°	3885	3943	4018
25°	3811	3895	4004
30°	3729	3843	3982
35°	3649	3776	3943
40°	3545	3695	3895
45°	3447	3601	3825
50°	3332	3494	3724
55°	3201	3363	3601
60°	3060	3224	3454
65°	2858	3026	3233
70°	2652	2796	2987
75°	2364	2491	2702
80°	1982	2077	2266
85°	1504	1504	1692



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.7	3.5
10°-20°	402.6	10.0
20°-30°	605.3	15.0
30°-40°	720.1	17.8
40°-50°	732.7	18.1
50°-60°	644.8	16.0
60°-70°	473.0	11.7
70°-80°	256.7	6.4
80°-90°	61.2	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°	1148.5	28.4
0°-40°	1868.6	46.3
0°-60°	3246.1	80.4
0°-90°	4037.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4037.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1486	1486	1486	1486	1486	
5°	1480	1478	1480	1480	1482	141
15°	1415	1417	1428	1436	1444	399
25°	1283	1292	1312	1334	1348	591
35°	1111	1119	1149	1184	1200	694
45°	906	914	946	987	1005	698
55°	682	692	717	751	768	610
65°	449	457	475	496	508	446
75°	227	232	240	252	260	242
85°	49	49	49	53	55	59
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1486.5	1484.5	1484.5	1484.5	1486.5
5°	1480.4	1478.4	1480.4	1480.4	1482.4
7.5°	1470.2	1468.2	1472.3	1474.3	1476.3
10°	1456.0	1456.0	1462.1	1466.2	1470.2
12.5°	1437.8	1439.8	1445.9	1452.0	1458.1
15°	1415.4	1417.4	1427.6	1435.7	1443.8
17.5°	1387.0	1391.0	1403.2	1415.4	1423.5
20°	1356.5	1362.6	1376.8	1393.1	1403.2
22.5°	1322.0	1330.1	1346.4	1366.7	1376.8
25°	1283.4	1291.5	1311.9	1334.2	1348.4
27.5°	1242.8	1253.0	1275.3	1301.7	1317.9
30°	1200.2	1210.3	1236.7	1265.1	1281.4
32.5°	1153.5	1165.6	1194.1	1226.6	1242.8
35°	1110.8	1118.9	1149.4	1183.9	1200.2
37.5°	1062.1	1072.2	1100.7	1137.2	1155.5
40°	1009.3	1019.4	1051.9	1088.5	1108.8
42.5°	958.5	966.6	999.1	1039.7	1058.0
45°	905.7	913.8	946.3	986.9	1005.2
47.5°	850.9	861.0	891.5	930.1	948.4
50°	796.0	804.2	834.6	871.2	889.5
52.5°	739.2	747.3	775.7	812.3	830.6
55°	682.3	692.5	716.8	751.4	767.6
57.5°	625.5	635.6	658.0	690.4	704.7
60°	568.6	576.7	599.1	627.5	641.7
62.5°	507.7	513.8	536.1	564.5	576.7
65°	448.8	456.9	475.2	495.5	507.7
67.5°	394.0	398.0	414.3	436.6	444.7
70°	337.1	341.2	355.4	373.7	379.7
72.5°	280.2	286.3	296.5	312.7	320.9
75°	227.4	231.5	239.6	251.8	259.9
77.5°	176.7	178.7	184.8	194.9	201.0
80°	127.9	130.0	134.0	142.2	146.2
82.5°	85.3	87.3	89.4	93.4	97.5
85°	48.7	48.7	48.7	52.8	54.8
87.5°	18.3	16.2	16.2	16.2	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)