

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: P385247

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

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385247
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-40-L835-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

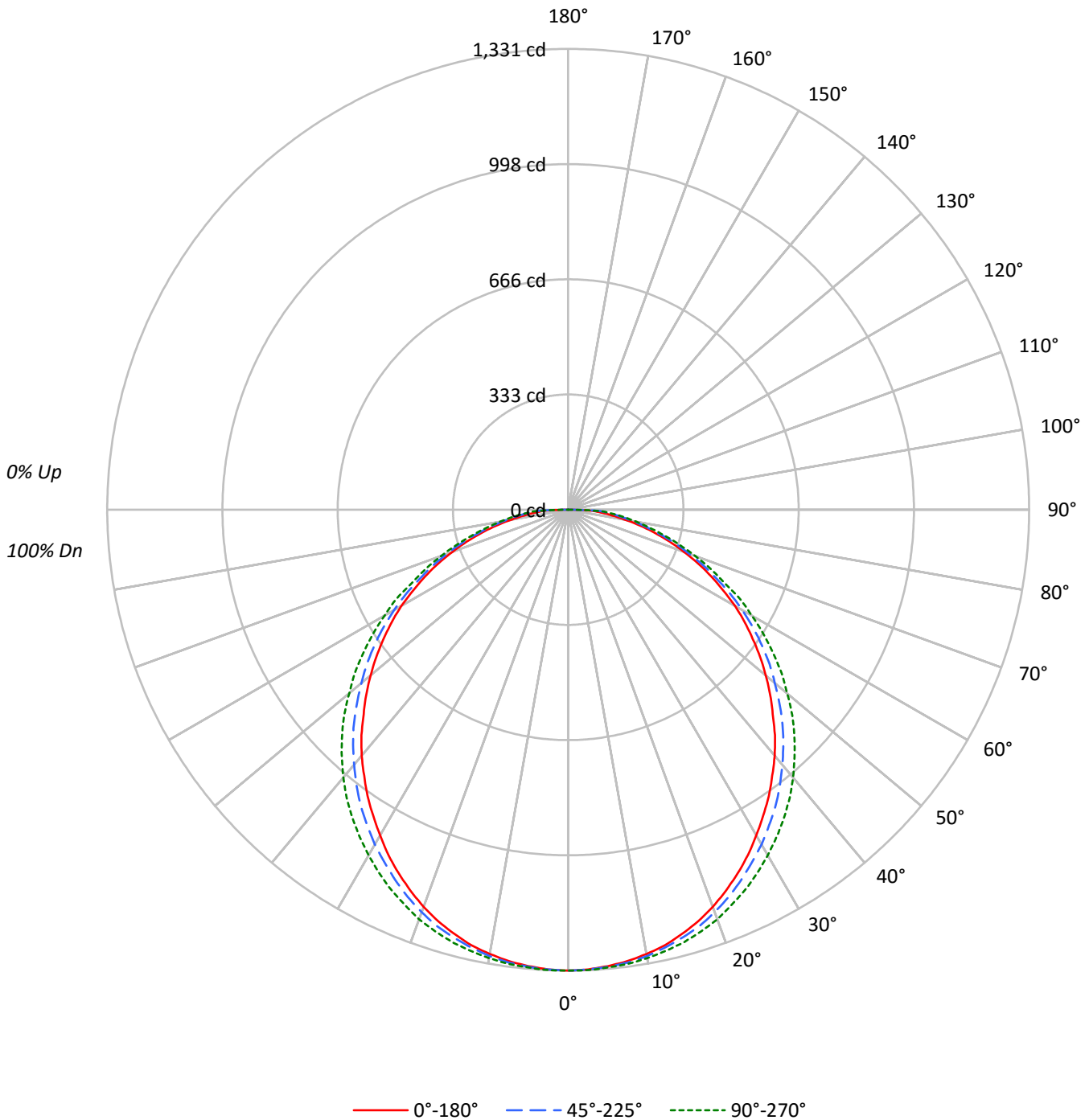
Lumens per Lamp: N/A
Luminaire Lumens: 3860.8 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 33.4
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	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°	3582	3582	3582
5°	3561	3534	3533
10°	3534	3486	3491
15°	3496	3428	3448
20°	3443	3362	3399
25°	3374	3280	3336
30°	3296	3197	3266
35°	3224	3109	3195
40°	3148	3007	3112
45°	3051	2904	3013
50°	2971	2774	2882
55°	2880	2646	2739
60°	2791	2488	2558
65°	2664	2293	2326
70°	2509	2080	2102
75°	2330	1846	1840
80°	2088	1593	1584
85°	1974	1386	1344



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	3.3
10°-20°	360.9	9.3
20°-30°	544.7	14.1
30°-40°	653.8	16.9
40°-50°	676.6	17.5
50°-60°	613.0	15.9
60°-70°	472.3	12.2
70°-80°	292.2	7.6
80°-90°	121.4	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°	1031.6	26.7
0°-40°	1685.4	43.7
0°-60°	2974.9	77.1
0°-90°	3860.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3860.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1331	1331	1331	1331	1331	
5°	1323	1323	1325	1325	1327	126
15°	1269	1271	1279	1287	1293	358
25°	1158	1162	1180	1201	1211	534
35°	1010	1018	1044	1072	1086	631
45°	835	847	875	908	924	646
55°	650	660	683	713	723	582
65°	456	460	474	494	496	451
75°	259	265	275	287	287	274
85°	94	104	120	128	126	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1331.1	1331.1	1331.1	1331.1	1331.1
2.5°	1329.1	1329.1	1329.1	1329.1	1331.1
5°	1323.1	1323.1	1325.1	1325.1	1327.1
7.5°	1315.1	1315.1	1319.1	1319.1	1323.1
10°	1303.0	1305.0	1309.0	1311.0	1315.1
12.5°	1289.0	1289.0	1295.0	1301.0	1305.0
15°	1268.9	1270.9	1278.9	1287.0	1293.0
17.5°	1246.8	1248.8	1260.9	1268.9	1276.9
20°	1220.7	1222.7	1236.8	1248.8	1258.8
22.5°	1190.6	1194.6	1210.7	1226.7	1234.8
25°	1158.5	1162.5	1180.5	1200.6	1210.7
27.5°	1124.3	1130.4	1148.4	1170.5	1182.6
30°	1086.2	1094.2	1116.3	1140.4	1152.4
32.5°	1048.0	1056.1	1080.2	1108.3	1120.3
35°	1009.9	1017.9	1044.0	1072.1	1086.2
37.5°	967.7	975.8	1003.9	1034.0	1050.0
40°	927.6	935.6	961.7	995.8	1009.9
42.5°	883.4	891.4	919.5	951.7	967.7
45°	835.2	847.3	875.4	907.5	923.6
47.5°	791.0	801.1	827.2	861.3	877.4
50°	744.9	754.9	779.0	813.1	825.2
52.5°	698.7	708.7	732.8	764.9	777.0
55°	650.5	660.5	682.6	712.7	722.8
57.5°	604.3	612.4	632.4	660.5	668.6
60°	556.1	564.2	580.2	606.3	612.4
62.5°	503.9	510.0	528.0	552.1	560.2
65°	455.8	459.8	473.8	493.9	495.9
67.5°	405.6	409.6	423.6	437.7	443.7
70°	355.4	361.4	371.4	385.5	389.5
72.5°	307.2	313.2	323.2	335.3	337.3
75°	259.0	265.0	275.1	287.1	287.1
77.5°	212.8	218.8	230.9	240.9	240.9
80°	166.6	176.7	188.7	198.8	198.8
82.5°	128.5	136.5	152.6	160.6	160.6
85°	94.4	104.4	120.5	128.5	126.5
87.5°	68.3	78.3	92.4	98.4	96.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)