

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: P737832

Luminaire Tested: **14PT-40-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PR1-L835
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

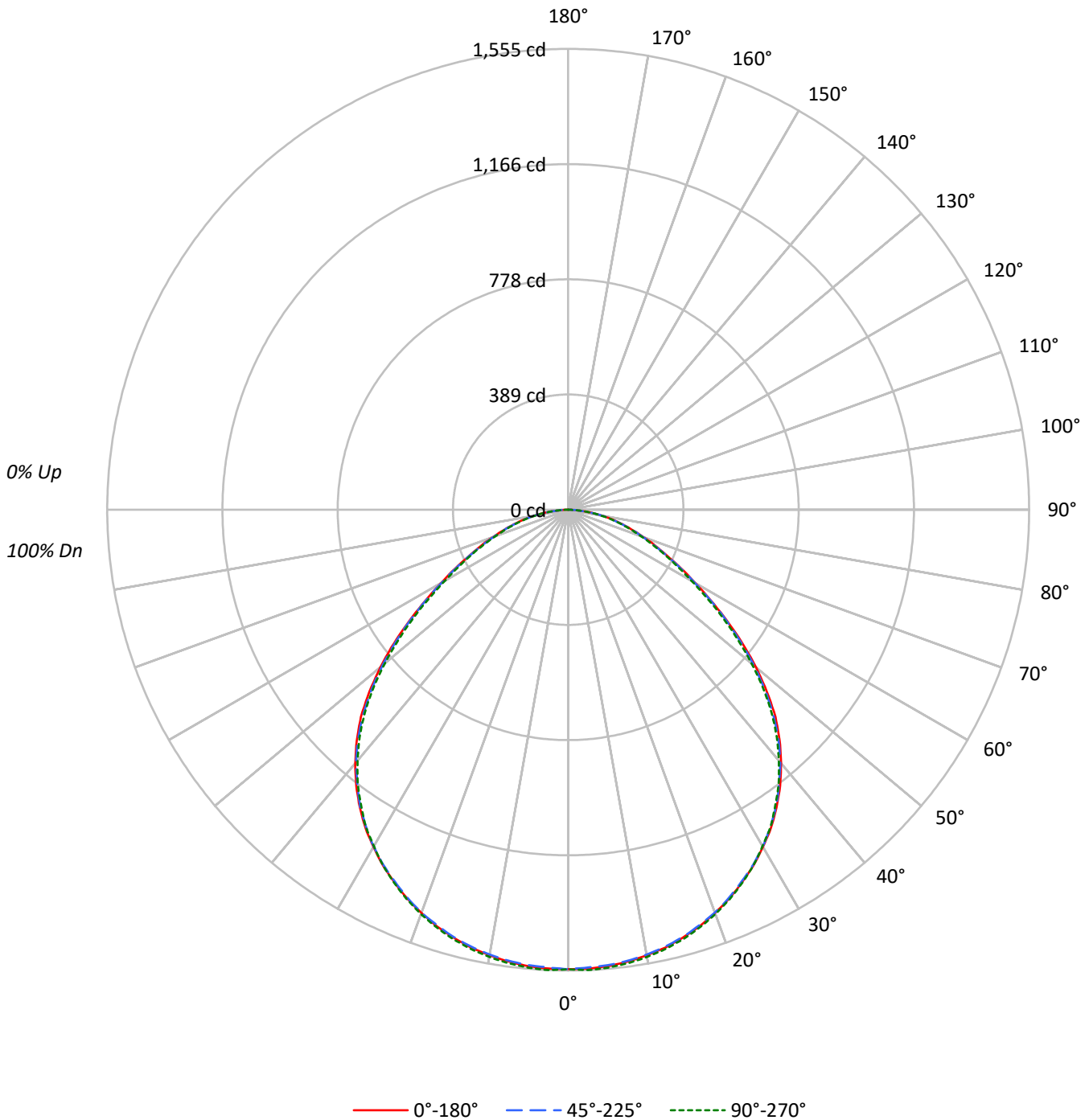
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3921.0 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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

TEST NUMBER: P737832
CATALOG NUMBER: 14PT-40-PR1-L835

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	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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85																												
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																												
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62																												
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54																												
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47																												
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41																												
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37																												
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33																												
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																												
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27																												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4648	4648	4648
5°	4653	4642	4668
10°	4649	4640	4666
15°	4640	4633	4655
20°	4620	4615	4633
25°	4590	4579	4596
30°	4550	4544	4538
35°	4487	4477	4458
40°	4374	4356	4326
45°	4192	4145	4114
50°	3857	3812	3766
55°	3413	3399	3332
60°	2966	2956	2876
65°	2613	2598	2547
70°	2372	2338	2290
75°	2195	2143	2105
80°	2004	1977	1910
85°	1586	1569	1510



TEST NUMBER: P737832

CATALOG NUMBER: 14PT-40-PR1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	3.8
10°-20°	422.1	10.8
20°-30°	639.5	16.3
30°-40°	763.4	19.5
40°-50°	750.8	19.1
50°-60°	580.3	14.8
60°-70°	365.9	9.3
70°-80°	197.9	5.0
80°-90°	54.1	1.4
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°	1208.7	30.8
0°-40°	1972.1	50.3
0°-60°	3303.1	84.2
0°-90°	3921.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3921.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1550	1550	1550	1550	1550	
5°	1546	1546	1543	1549	1551	147
15°	1495	1495	1493	1498	1500	422
25°	1388	1389	1384	1389	1389	640
35°	1226	1226	1223	1221	1218	765
45°	989	985	978	970	970	757
55°	653	658	650	640	637	586
65°	368	369	366	360	359	371
75°	190	187	185	186	182	201
85°	46	47	46	46	44	55
90°	0	0	0	0	0	



TEST NUMBER: P737832

CATALOG NUMBER: 14PT-40-PR1-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1550.4	1550.4	1550.4	1550.4	1550.4
2.5°	1549.9	1550.4	1546.0	1553.2	1554.9
5°	1546.0	1546.5	1542.6	1549.3	1551.0
7.5°	1538.2	1539.3	1535.4	1542.1	1543.7
10°	1527.1	1528.2	1524.3	1531.0	1532.6
12.5°	1513.2	1513.7	1510.4	1516.5	1518.2
15°	1494.8	1495.4	1492.6	1497.6	1499.8
17.5°	1473.7	1474.3	1470.4	1476.5	1477.6
20°	1448.2	1448.7	1446.5	1451.5	1452.1
22.5°	1419.8	1420.9	1417.6	1422.0	1422.6
25°	1387.6	1388.7	1384.3	1388.7	1389.3
27.5°	1353.7	1354.3	1350.4	1353.7	1353.1
30°	1314.2	1317.6	1312.6	1311.5	1310.9
32.5°	1273.1	1273.7	1268.7	1267.6	1269.8
35°	1225.9	1226.4	1223.1	1221.4	1218.1
37.5°	1174.2	1174.2	1168.1	1167.0	1166.4
40°	1117.5	1117.0	1113.1	1109.2	1105.3
42.5°	1055.8	1057.0	1049.2	1042.5	1041.4
45°	988.6	984.7	977.5	969.7	970.3
47.5°	909.1	910.2	900.2	894.1	892.5
50°	826.9	826.9	817.4	810.8	807.4
52.5°	740.8	741.3	732.4	723.5	721.9
55°	653.0	658.5	650.2	639.6	637.4
57.5°	570.7	575.2	567.4	556.3	555.7
60°	494.6	495.1	492.9	482.4	479.6
62.5°	429.6	426.8	425.7	420.1	416.8
65°	368.4	369.0	366.2	360.1	359.0
67.5°	319.0	318.4	313.4	309.5	307.3
70°	270.6	269.0	266.7	263.4	261.2
72.5°	227.3	227.3	225.6	224.5	220.6
75°	189.5	187.3	185.0	186.2	181.7
77.5°	153.4	151.2	149.5	147.3	146.2
80°	116.1	113.9	114.5	111.1	110.6
82.5°	80.6	80.6	79.5	76.7	77.2
85°	46.1	46.7	45.6	46.1	43.9
87.5°	16.7	17.2	18.3	17.2	17.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)