

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: P737824

Luminaire Tested: **14PT-40-PP3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PP3-L835
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

Summary

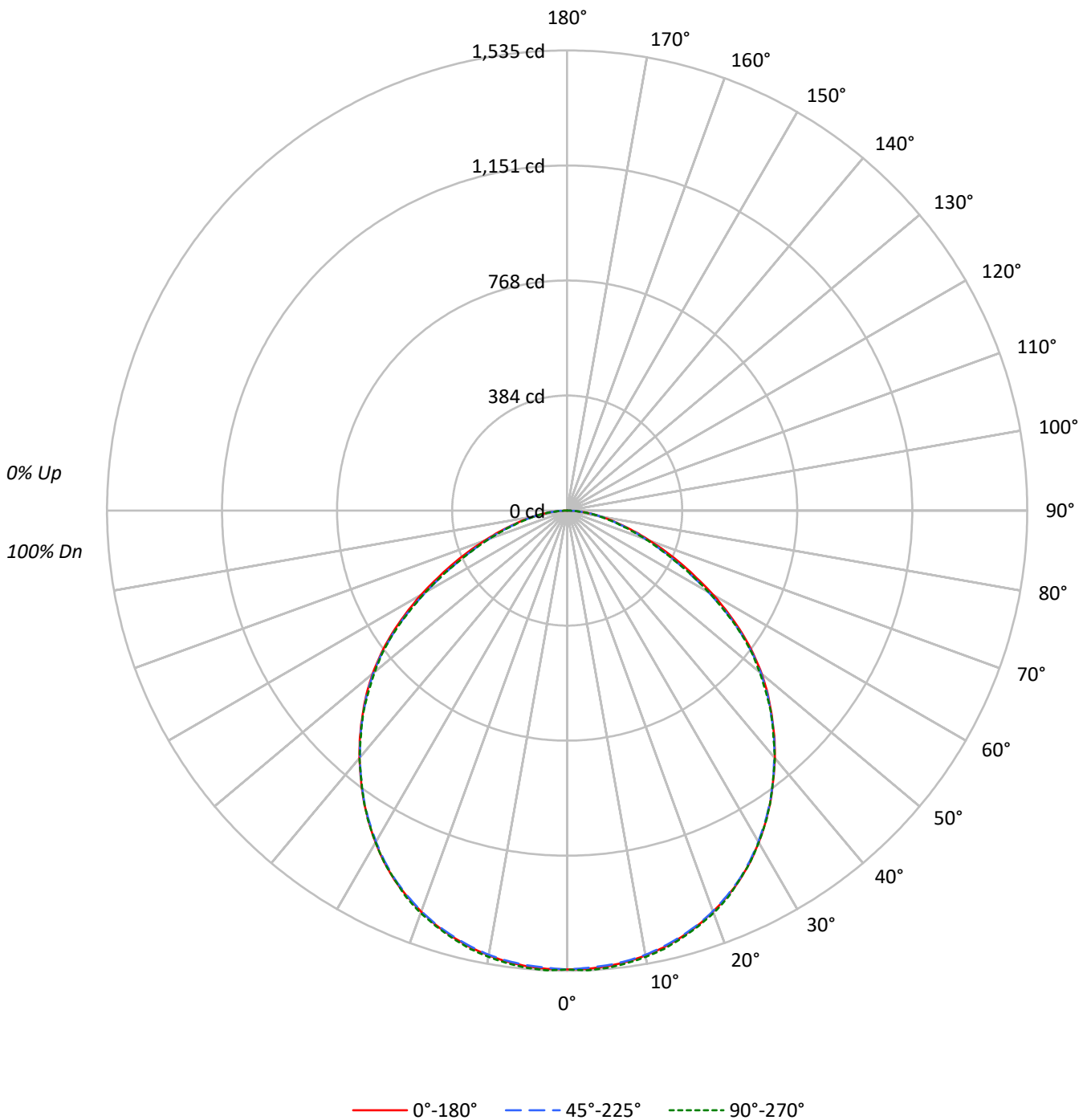
Lumens per Lamp: N/A
Luminaire Lumens: 3955.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
Input Voltage (V): NR
Input Current (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	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4589	4589	4589
5°	4593	4583	4608
10°	4587	4580	4602
15°	4572	4563	4584
20°	4541	4538	4557
25°	4501	4494	4499
30°	4426	4416	4426
35°	4329	4323	4327
40°	4219	4205	4216
45°	4092	4080	4085
50°	3954	3937	3908
55°	3723	3679	3668
60°	3378	3265	3271
65°	2968	2818	2814
70°	2567	2450	2420
75°	2221	2137	2092
80°	1967	1937	1851
85°	1624	1682	1586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.2	3.7
10°-20°	415.9	10.5
20°-30°	626.1	15.8
30°-40°	739.0	18.7
40°-50°	743.2	18.8
50°-60°	627.4	15.9
60°-70°	403.0	10.2
70°-80°	200.4	5.1
80°-90°	54.9	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°	1187.1	30.0
0°-40°	1926.1	48.7
0°-60°	3296.7	83.4
0°-90°	3955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3955.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1531	1531	1531	1531	1531	
5°	1526	1527	1523	1530	1531	145
15°	1473	1473	1470	1477	1477	416
25°	1361	1361	1358	1361	1360	626
35°	1183	1183	1181	1182	1182	739
45°	965	968	962	963	963	745
55°	712	712	704	701	702	634
65°	418	412	397	393	397	417
75°	192	191	184	183	181	207
85°	47	49	49	46	46	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1530.7	1530.7	1530.7	1530.7	1530.7
2.5°	1530.1	1530.7	1526.8	1534.0	1535.1
5°	1526.2	1526.8	1522.9	1530.1	1531.2
7.5°	1518.4	1519.0	1515.7	1522.3	1523.4
10°	1506.8	1508.4	1504.6	1510.7	1511.8
12.5°	1492.3	1492.9	1489.0	1496.2	1497.3
15°	1472.9	1473.4	1470.1	1476.8	1476.8
17.5°	1450.7	1451.2	1449.0	1454.6	1454.0
20°	1423.4	1425.1	1422.3	1426.2	1428.4
22.5°	1394.0	1394.5	1391.2	1396.2	1398.4
25°	1360.7	1361.2	1358.4	1361.2	1360.1
27.5°	1321.8	1322.9	1319.0	1321.8	1322.3
30°	1278.4	1281.2	1275.6	1277.9	1278.4
32.5°	1231.8	1233.4	1229.5	1230.1	1232.9
35°	1182.9	1183.4	1181.2	1182.3	1182.3
37.5°	1130.1	1132.3	1129.0	1130.6	1128.4
40°	1077.9	1075.6	1074.5	1075.6	1077.3
42.5°	1022.9	1023.4	1021.7	1020.6	1017.9
45°	965.1	968.4	962.3	963.4	963.4
47.5°	908.4	909.0	905.6	902.3	900.1
50°	847.8	847.8	844.0	841.2	837.8
52.5°	781.7	780.6	776.2	773.4	775.1
55°	712.3	711.7	703.9	701.2	701.7
57.5°	636.2	637.3	625.6	622.8	622.8
60°	563.4	557.8	544.5	540.6	545.6
62.5°	487.3	480.6	466.1	466.1	470.0
65°	418.4	412.3	397.3	393.4	396.7
67.5°	353.9	348.4	334.5	332.2	333.4
70°	292.8	287.8	279.5	274.5	276.1
72.5°	240.0	235.6	230.0	226.1	223.9
75°	191.7	190.6	184.5	182.8	180.6
77.5°	151.7	151.1	146.1	143.9	141.7
80°	113.9	113.3	112.2	108.9	107.2
82.5°	81.1	81.1	80.6	77.8	76.1
85°	47.2	48.9	48.9	46.1	46.1
87.5°	18.9	20.0	18.9	18.9	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)