

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: P737833

Luminaire Tested: **14PT-40-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737833
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-L840
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

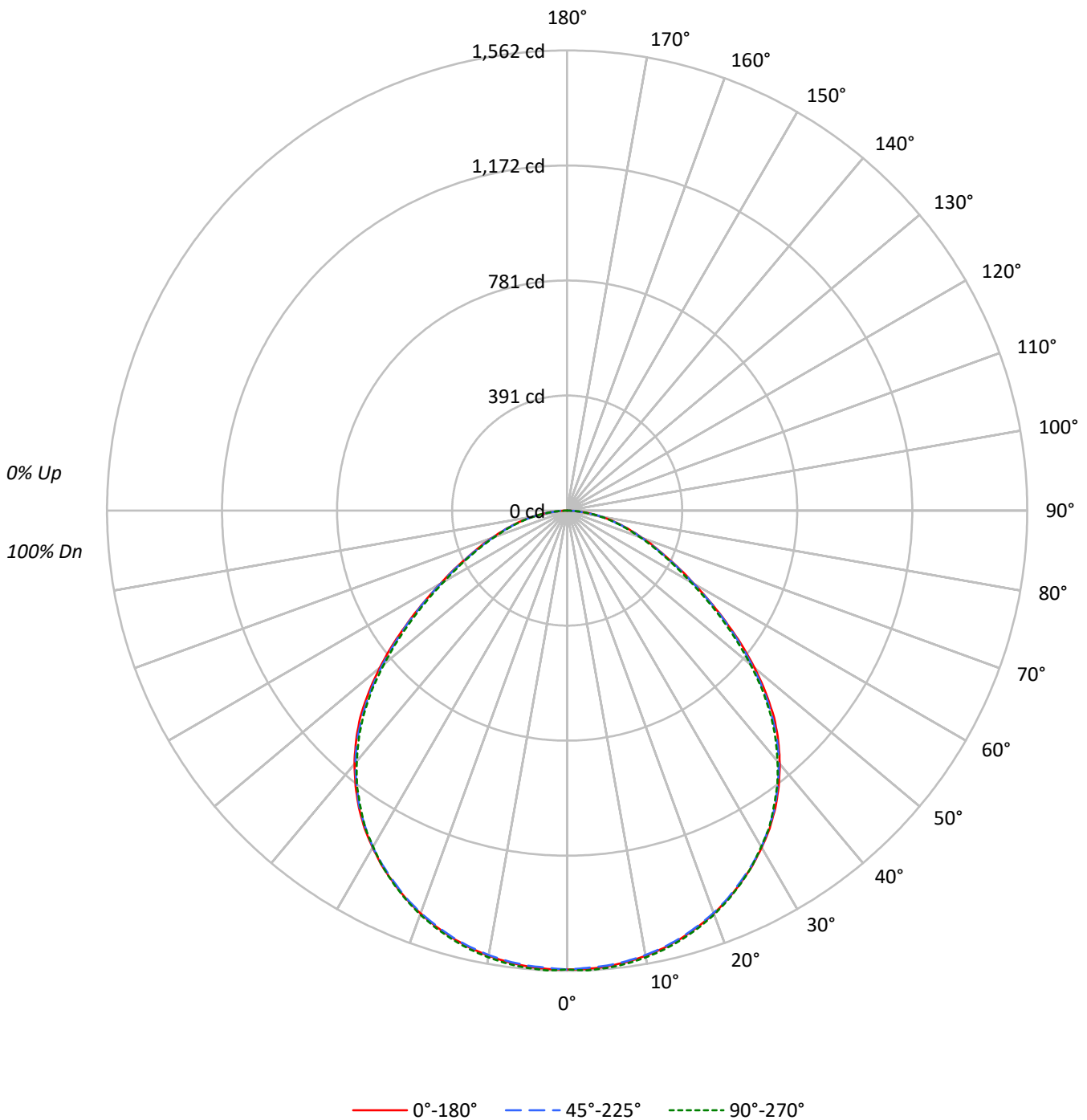
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3940.0 lumens
Efficiency: N/A
Efficacy: 122.7 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

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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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62					62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54					54			
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47					47			
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41					41			
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37					37			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4671	4671	4671
5°	4675	4665	4690
10°	4672	4663	4689
15°	4662	4655	4678
20°	4643	4637	4655
25°	4612	4601	4618
30°	4572	4566	4560
35°	4508	4498	4480
40°	4395	4377	4347
45°	4212	4164	4134
50°	3875	3831	3785
55°	3429	3415	3348
60°	2980	2970	2890
65°	2626	2611	2559
70°	2383	2349	2300
75°	2206	2153	2115
80°	2015	1985	1918
85°	1593	1575	1517



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	3.8
10°-20°	424.2	10.8
20°-30°	642.6	16.3
30°-40°	767.1	19.5
40°-50°	754.4	19.1
50°-60°	583.1	14.8
60°-70°	367.7	9.3
70°-80°	198.9	5.0
80°-90°	54.3	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°	1214.5	30.8
0°-40°	1981.6	50.3
0°-60°	3319.1	84.2
0°-90°	3940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3940.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1558	1558	1558	1558	1558	
5°	1554	1554	1550	1557	1558	148
15°	1502	1503	1500	1505	1507	424
25°	1394	1395	1391	1395	1396	643
35°	1232	1232	1229	1227	1224	769
45°	993	990	982	974	975	761
55°	656	662	653	643	640	589
65°	370	371	368	362	361	372
75°	190	188	186	187	183	202
85°	46	47	46	46	44	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1557.9	1557.9	1557.9	1557.9	1557.9
2.5°	1557.4	1557.9	1553.5	1560.7	1562.4
5°	1553.5	1554.0	1550.1	1556.8	1558.5
7.5°	1545.6	1546.8	1542.9	1549.6	1551.2
10°	1534.5	1535.6	1531.7	1538.4	1540.1
12.5°	1520.5	1521.1	1517.7	1523.9	1525.5
15°	1502.1	1502.6	1499.9	1504.9	1507.1
17.5°	1480.9	1481.4	1477.5	1483.7	1484.8
20°	1455.2	1455.7	1453.5	1458.5	1459.1
22.5°	1426.7	1427.8	1424.5	1428.9	1429.5
25°	1394.3	1395.4	1391.0	1395.4	1396.0
27.5°	1360.3	1360.8	1356.9	1360.3	1359.7
30°	1320.6	1324.0	1318.9	1317.8	1317.3
32.5°	1279.3	1279.8	1274.8	1273.7	1275.9
35°	1231.8	1232.4	1229.0	1227.4	1224.0
37.5°	1179.9	1179.9	1173.8	1172.6	1172.1
40°	1122.9	1122.4	1118.5	1114.6	1110.7
42.5°	1061.0	1062.1	1054.3	1047.6	1046.4
45°	993.4	989.5	982.2	974.4	975.0
47.5°	913.5	914.7	904.6	898.5	896.8
50°	830.9	830.9	821.4	814.7	811.4
52.5°	744.3	744.9	736.0	727.0	725.4
55°	656.1	661.7	653.3	642.7	640.5
57.5°	573.5	577.9	570.1	559.0	558.4
60°	497.0	497.5	495.3	484.7	481.9
62.5°	431.6	428.8	427.7	422.1	418.8
65°	370.2	370.8	368.0	361.8	360.7
67.5°	320.5	320.0	314.9	311.0	308.8
70°	271.9	270.3	268.0	264.7	262.4
72.5°	228.4	228.4	226.7	225.6	221.7
75°	190.4	188.2	185.9	187.1	182.6
77.5°	154.1	151.9	150.2	148.0	146.9
80°	116.7	114.5	115.0	111.7	111.1
82.5°	81.0	81.0	79.9	77.1	77.6
85°	46.3	46.9	45.8	46.3	44.1
87.5°	16.8	17.3	18.4	17.3	17.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)