

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: P737809

Luminaire Tested: **14PT-40-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PC3-L840
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

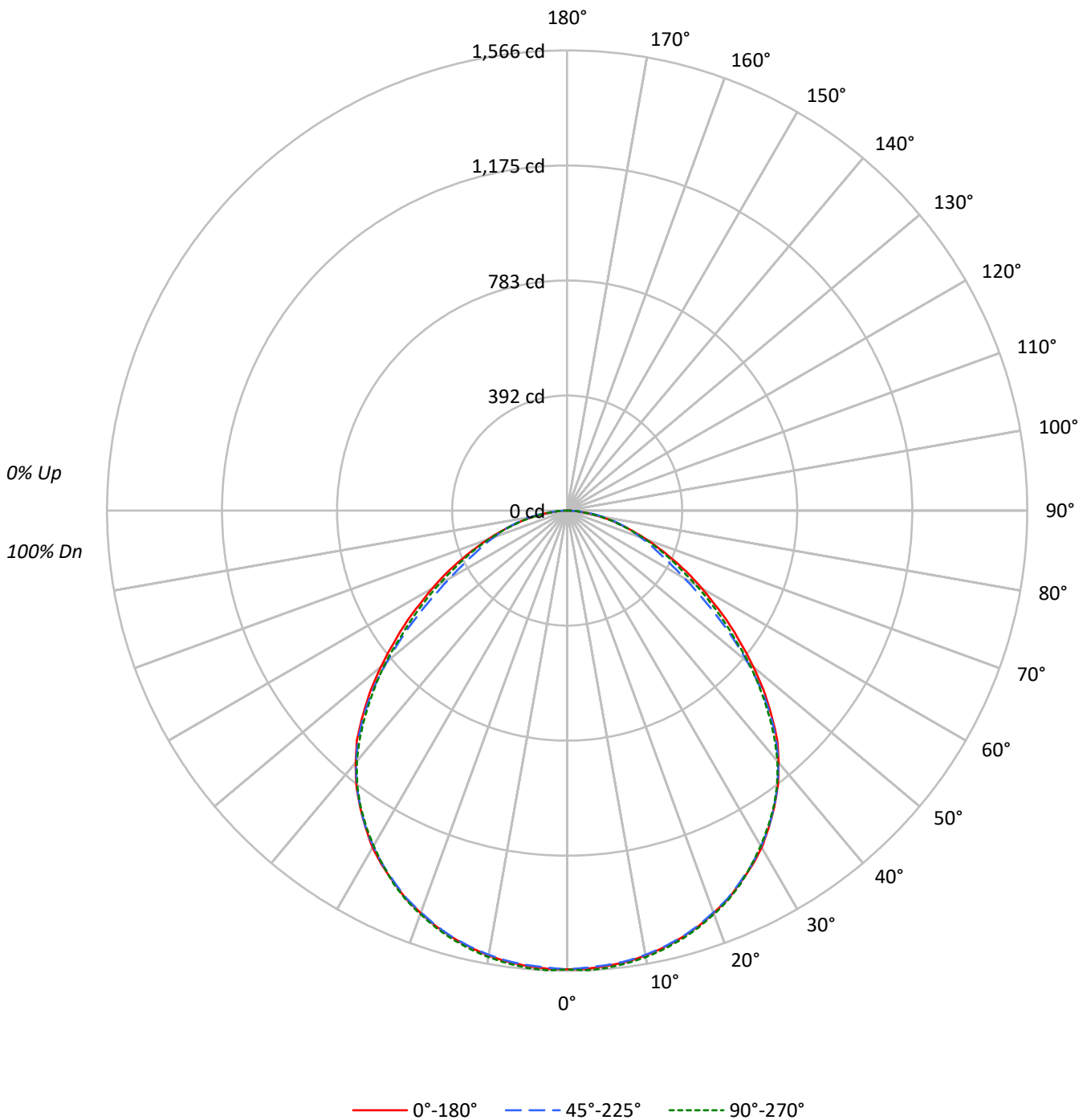
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3936.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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: P737809
CATALOG NUMBER: 14PT-40-PC3-L840

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	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72					72			
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4681	4681	4681
5°	4682	4673	4701
10°	4682	4673	4699
15°	4671	4666	4686
20°	4650	4643	4662
25°	4618	4611	4629
30°	4584	4568	4560
35°	4500	4496	4488
40°	4382	4375	4356
45°	4167	4136	4094
50°	3857	3727	3769
55°	3520	3234	3380
60°	3174	2759	3027
65°	2836	2468	2721
70°	2516	2335	2447
75°	2225	2263	2180
80°	1918	2160	1910
85°	1441	1710	1441



TEST NUMBER: P737809

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.1	3.8
10°-20°	425.0	10.8
20°-30°	643.5	16.3
30°-40°	767.2	19.5
40°-50°	749.7	19.0
50°-60°	573.2	14.6
60°-70°	368.0	9.3
70°-80°	204.7	5.2
80°-90°	56.5	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°	1216.6	30.9
0°-40°	1983.8	50.4
0°-60°	3306.7	84.0
0°-90°	3936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3936.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1561	1561	1561	1561	1561	
5°	1556	1557	1553	1560	1562	148
15°	1505	1506	1503	1508	1510	425
25°	1396	1398	1394	1398	1399	644
35°	1230	1231	1228	1228	1226	768
45°	983	985	976	973	966	756
55°	673	650	619	626	647	602
65°	400	369	348	360	384	399
75°	192	194	195	193	188	205
85°	42	49	50	48	42	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1561.3	1561.3	1561.3	1561.3	1561.3
2.5°	1560.2	1560.7	1556.8	1563.5	1565.8
5°	1555.7	1556.8	1552.9	1560.2	1561.9
7.5°	1549.0	1550.1	1546.2	1553.5	1554.0
10°	1537.8	1538.4	1535.1	1542.3	1543.4
12.5°	1522.8	1524.4	1520.5	1527.2	1527.8
15°	1504.9	1506.0	1503.2	1508.3	1509.9
17.5°	1483.7	1484.2	1481.4	1487.0	1487.6
20°	1457.4	1457.4	1455.2	1461.3	1461.3
22.5°	1430.6	1429.0	1428.4	1430.6	1434.0
25°	1396.0	1397.7	1393.8	1398.2	1399.4
27.5°	1362.5	1362.5	1359.2	1361.4	1358.6
30°	1324.0	1321.7	1319.5	1320.1	1317.3
32.5°	1277.6	1277.6	1276.5	1276.5	1273.2
35°	1229.6	1230.7	1228.5	1227.9	1226.3
37.5°	1178.2	1179.9	1176.0	1174.9	1173.8
40°	1119.6	1119.6	1117.9	1115.7	1112.9
42.5°	1058.7	1058.7	1051.5	1045.9	1042.0
45°	982.8	985.0	975.5	973.3	965.5
47.5°	907.4	905.7	892.9	891.2	886.7
50°	827.0	817.5	799.1	804.1	808.0
52.5°	746.6	734.9	708.1	713.6	720.3
55°	673.4	650.0	618.7	626.5	646.6
57.5°	596.9	565.7	534.4	548.9	574.0
60°	529.4	494.2	460.1	475.8	504.8
62.5°	464.6	427.2	399.8	414.9	439.5
65°	399.8	369.1	347.9	359.6	383.6
67.5°	340.6	320.0	305.4	311.0	330.6
70°	287.0	274.2	266.4	268.0	279.2
72.5°	236.2	232.9	230.1	230.1	231.2
75°	192.1	193.8	195.4	192.6	188.2
77.5°	151.3	156.9	160.8	155.2	149.7
80°	111.1	120.1	125.1	118.9	110.6
82.5°	75.9	86.0	87.7	83.8	74.3
85°	41.9	49.1	49.7	48.0	41.9
87.5°	15.6	18.4	20.1	18.4	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)