

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: P738533

Luminaire Tested: **24PT-45-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738533
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-45-PC3-L940
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

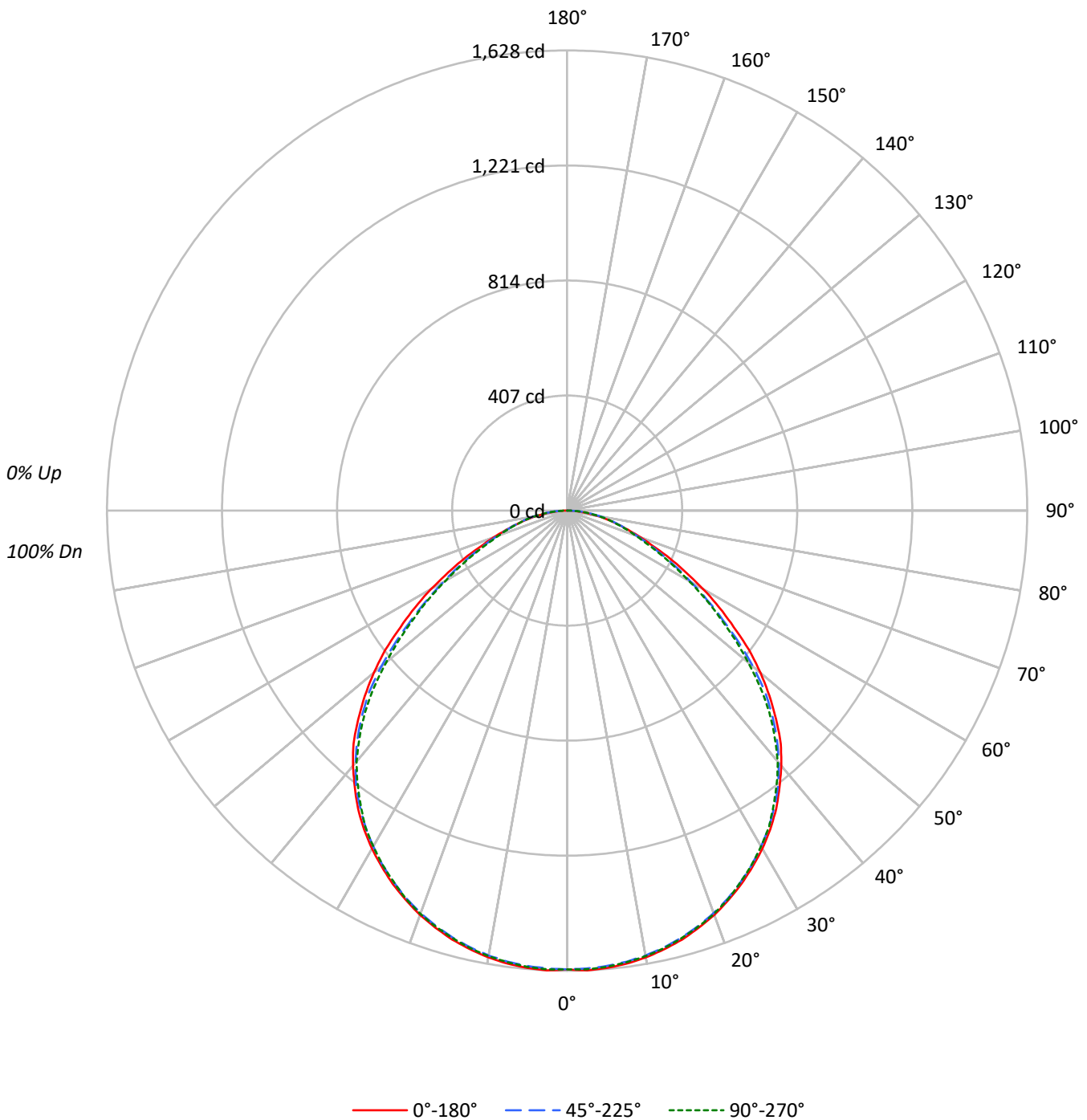
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4094.0 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 37.2
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
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	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2327	2327	2327
5°	2337	2328	2332
10°	2337	2327	2330
15°	2332	2322	2324
20°	2323	2312	2317
25°	2307	2295	2295
30°	2287	2272	2271
35°	2257	2238	2228
40°	2206	2180	2170
45°	2120	2081	2052
50°	1991	1915	1864
55°	1800	1678	1646
60°	1592	1452	1424
65°	1361	1258	1226
70°	1153	1104	1072
75°	1011	1029	993
80°	907	1000	944
85°	765	915	870



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	3.8
10°-20°	441.7	10.8
20°-30°	669.1	16.3
30°-40°	799.2	19.5
40°-50°	788.4	19.3
50°-60°	610.3	14.9
60°-70°	375.1	9.2
70°-80°	196.6	4.8
80°-90°	59.6	1.5
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°	1264.7	30.9
0°-40°	2064.0	50.4
0°-60°	3462.7	84.6
0°-90°	4094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4094.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1623	1623	1623	1623	1623	
5°	1624	1619	1617	1616	1620	154
15°	1571	1566	1564	1562	1566	443
25°	1458	1454	1451	1450	1450	672
35°	1289	1283	1279	1275	1273	805
45°	1046	1038	1026	1016	1012	804
55°	720	701	671	661	659	646
65°	401	383	371	360	361	400
75°	182	184	186	182	179	197
85°	46	52	56	54	53	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1623.0	1623.0	1623.0	1623.0	1623.0
2.5°	1628.5	1623.5	1621.2	1620.8	1624.4
5°	1623.9	1619.0	1617.2	1616.3	1620.3
7.5°	1616.7	1611.3	1609.5	1608.1	1611.7
10°	1605.4	1600.0	1598.2	1597.3	1600.4
12.5°	1589.2	1584.2	1582.8	1581.5	1585.5
15°	1571.1	1566.1	1563.9	1562.5	1565.7
17.5°	1547.6	1543.5	1540.8	1540.8	1543.5
20°	1522.3	1517.3	1515.1	1513.7	1518.2
22.5°	1491.1	1488.0	1485.3	1483.0	1488.0
25°	1458.2	1453.6	1450.9	1450.0	1450.5
27.5°	1420.7	1417.5	1413.9	1412.5	1413.4
30°	1381.4	1377.3	1372.3	1369.6	1371.9
32.5°	1337.5	1331.7	1327.6	1324.9	1328.1
35°	1289.2	1283.3	1278.8	1274.8	1272.9
37.5°	1234.1	1232.3	1226.0	1218.7	1218.3
40°	1178.5	1173.6	1164.5	1161.4	1159.1
42.5°	1118.9	1108.5	1099.0	1090.0	1086.8
45°	1045.7	1038.1	1026.3	1015.5	1011.9
47.5°	970.7	960.8	949.5	930.5	928.3
50°	892.6	878.1	858.3	842.5	835.7
52.5°	811.3	791.9	764.3	750.8	747.1
55°	720.0	700.6	671.3	661.3	658.6
57.5°	638.7	610.3	586.3	575.0	578.7
60°	555.2	527.6	506.4	495.5	496.4
62.5°	473.4	451.7	435.9	425.5	426.9
65°	401.1	382.6	370.9	360.0	361.4
67.5°	330.2	321.6	313.0	306.7	303.1
70°	275.1	271.5	263.4	257.5	255.7
72.5°	225.0	227.2	220.4	218.6	218.2
75°	182.5	184.3	185.7	182.0	179.3
77.5°	145.9	148.6	154.0	149.1	148.2
80°	109.8	115.2	121.1	117.9	114.3
82.5°	76.8	83.6	89.0	84.9	83.1
85°	46.5	51.9	55.6	54.2	52.9
87.5°	20.8	22.6	24.4	24.8	23.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)