

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: P738534

Luminaire Tested: **24PT-45-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738534
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-L950
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

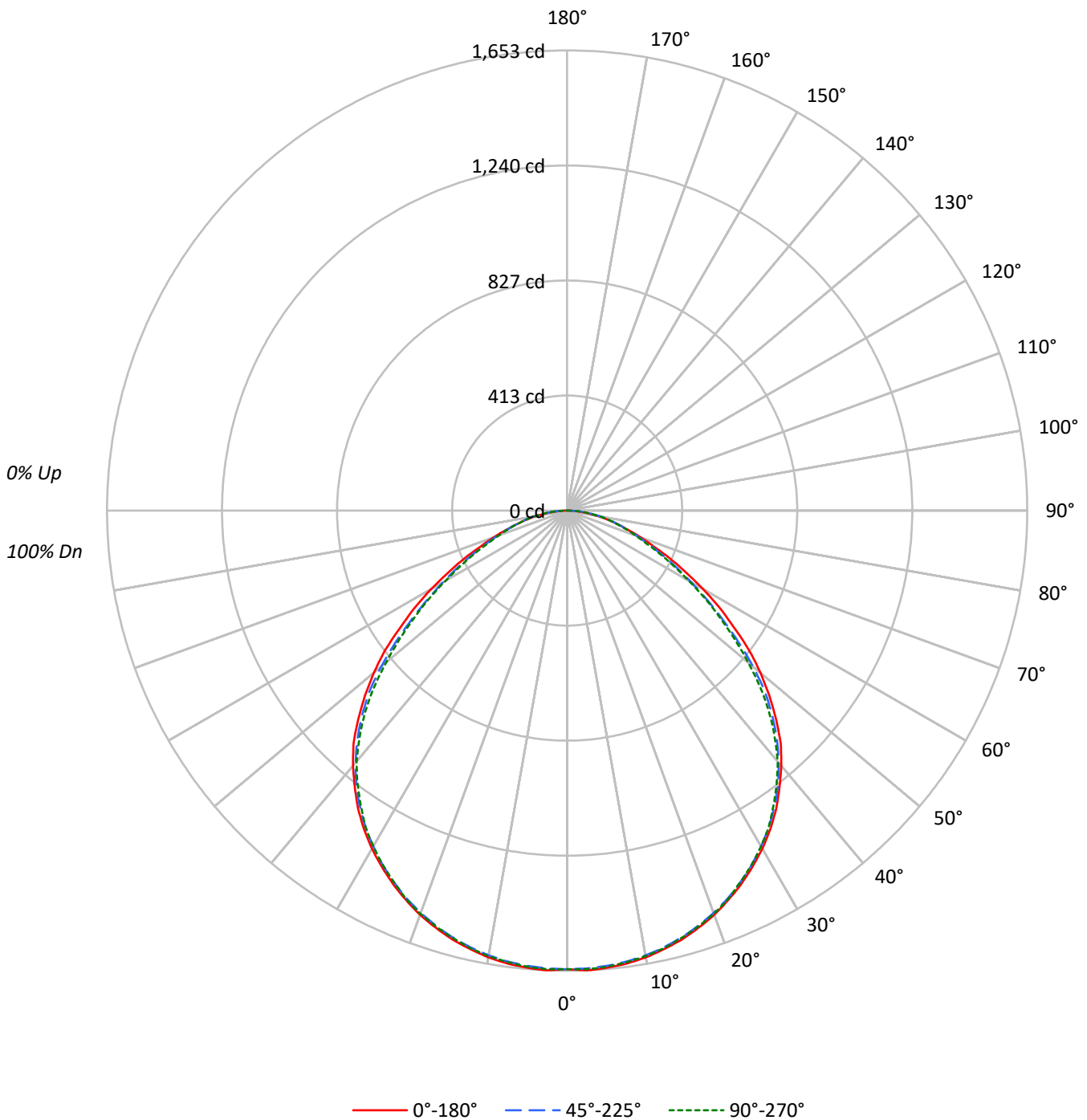
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4156.0 lumens
Efficiency: N/A
Efficacy: 111.7 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 (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

TEST NUMBER: P738534
CATALOG NUMBER: 24PT-45-PC3-L950

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	86					86			
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	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	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°	2362	2362	2362
5°	2373	2363	2368
10°	2373	2362	2366
15°	2368	2357	2359
20°	2358	2347	2352
25°	2342	2330	2329
30°	2322	2307	2306
35°	2291	2272	2262
40°	2239	2213	2203
45°	2153	2113	2083
50°	2021	1944	1892
55°	1827	1703	1671
60°	1616	1474	1445
65°	1382	1277	1244
70°	1171	1121	1088
75°	1027	1044	1008
80°	920	1015	958
85°	777	928	883



TEST NUMBER: P738534

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.2	3.8
10°-20°	448.4	10.8
20°-30°	679.3	16.3
30°-40°	811.3	19.5
40°-50°	800.3	19.3
50°-60°	619.6	14.9
60°-70°	380.8	9.2
70°-80°	199.5	4.8
80°-90°	60.5	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°	1283.9	30.9
0°-40°	2095.2	50.4
0°-60°	3515.1	84.6
0°-90°	4156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4156.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1648	1648	1648	1648	1648	
5°	1648	1644	1642	1641	1645	157
15°	1595	1590	1588	1586	1589	450
25°	1480	1476	1473	1472	1472	682
35°	1309	1303	1298	1294	1292	817
45°	1062	1054	1042	1031	1027	817
55°	731	711	681	671	669	656
65°	407	388	376	366	367	406
75°	185	187	188	185	182	200
85°	47	53	56	55	54	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1647.6	1647.6	1647.6	1647.6	1647.6
2.5°	1653.1	1648.1	1645.8	1645.3	1649.0
5°	1648.5	1643.5	1641.6	1640.7	1644.9
7.5°	1641.2	1635.7	1633.9	1632.5	1636.1
10°	1629.7	1624.2	1622.4	1621.5	1624.7
12.5°	1613.2	1608.2	1606.8	1605.4	1609.5
15°	1594.9	1589.8	1587.5	1586.2	1589.4
17.5°	1571.0	1566.9	1564.2	1564.2	1566.9
20°	1545.4	1540.3	1538.0	1536.6	1541.2
22.5°	1513.7	1510.5	1507.7	1505.5	1510.5
25°	1480.2	1475.6	1472.9	1472.0	1472.4
27.5°	1442.2	1439.0	1435.3	1433.9	1434.8
30°	1402.3	1398.2	1393.1	1390.4	1392.6
32.5°	1357.8	1351.8	1347.7	1345.0	1348.2
35°	1308.7	1302.8	1298.2	1294.1	1292.2
37.5°	1252.8	1251.0	1244.5	1237.2	1236.7
40°	1196.4	1191.3	1182.2	1179.0	1176.7
42.5°	1135.9	1125.3	1115.7	1106.5	1103.3
45°	1061.6	1053.8	1041.9	1030.8	1027.2
47.5°	985.4	975.4	963.9	944.6	942.3
50°	906.1	891.4	871.3	855.2	848.3
52.5°	823.6	803.9	775.9	762.1	758.5
55°	730.9	711.2	681.4	671.3	668.6
57.5°	648.4	619.5	595.2	583.7	587.4
60°	563.6	535.6	514.0	503.0	504.0
62.5°	480.6	458.6	442.5	432.0	433.3
65°	407.2	388.4	376.5	365.5	366.8
67.5°	335.2	326.5	317.8	311.4	307.7
70°	279.3	275.6	267.3	261.4	259.5
72.5°	228.4	230.7	223.8	221.9	221.5
75°	185.3	187.1	188.5	184.8	182.0
77.5°	148.1	150.9	156.4	151.3	150.4
80°	111.4	116.9	122.9	119.7	116.0
82.5°	78.0	84.8	90.3	86.2	84.4
85°	47.2	52.7	56.4	55.0	53.7
87.5°	21.1	22.9	24.8	25.2	24.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)