

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: P738469

Luminaire Tested: **24PT-35-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738469
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-35-PC3-L940
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

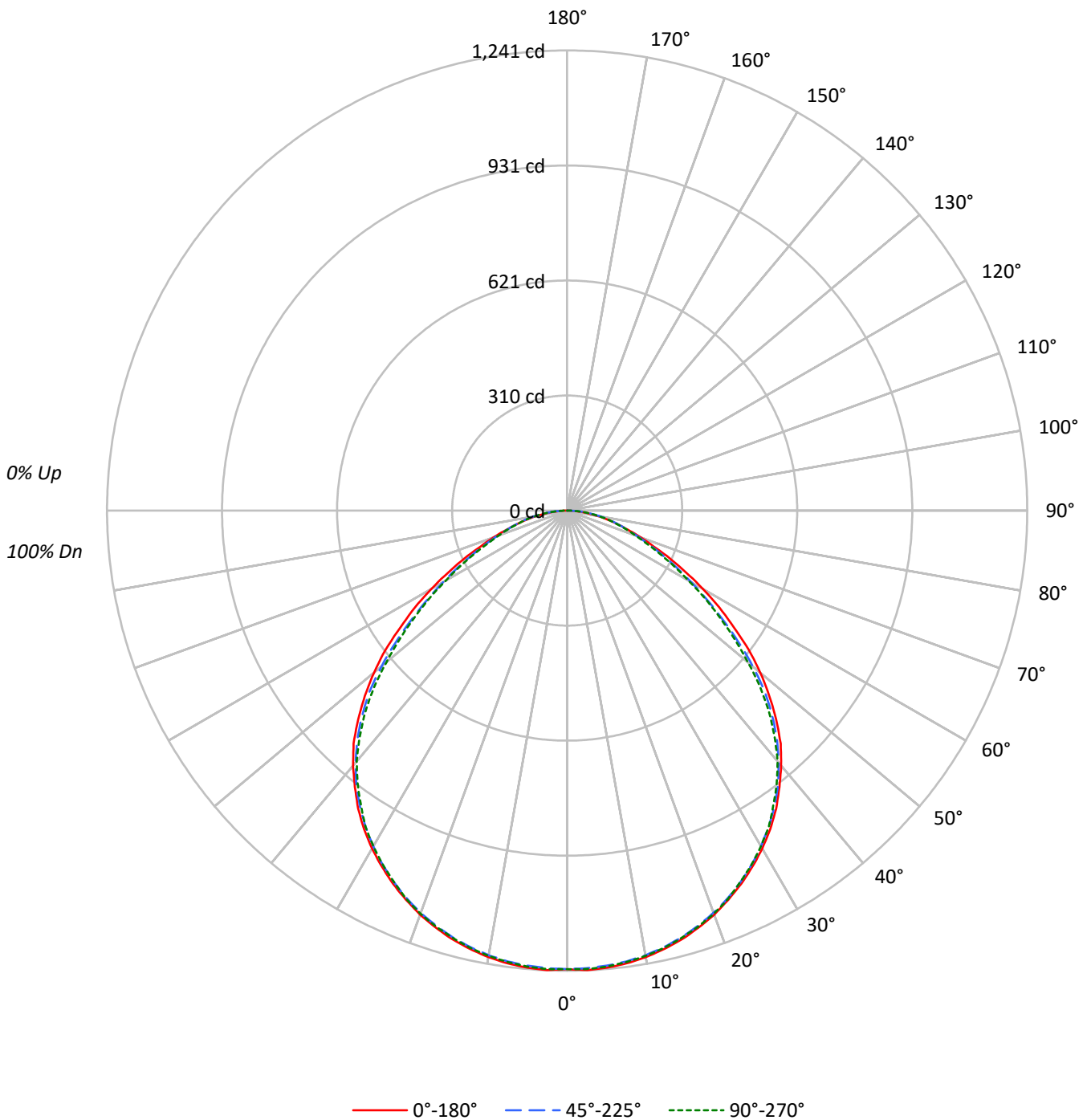
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3119.0 lumens
Efficiency: N/A
Efficacy: 110.6 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): 28.2
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

TEST NUMBER: P738469
CATALOG NUMBER: 24PT-35-PC3-L940

Luminous Intensity Polar Plot





TEST NUMBER: P738469

CATALOG NUMBER: 24PT-35-PC3-L940

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°	1773	1773	1773
5°	1781	1773	1777
10°	1781	1773	1775
15°	1777	1769	1771
20°	1770	1761	1765
25°	1758	1749	1748
30°	1742	1731	1731
35°	1719	1705	1698
40°	1681	1661	1653
45°	1616	1586	1563
50°	1517	1459	1420
55°	1371	1278	1254
60°	1213	1106	1085
65°	1037	958	934
70°	879	841	817
75°	770	783	757
80°	690	761	719
85°	582	696	663



TEST NUMBER: P738469

CATALOG NUMBER: 24PT-35-PC3-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	3.8
10°-20°	336.5	10.8
20°-30°	509.8	16.3
30°-40°	608.9	19.5
40°-50°	600.6	19.3
50°-60°	465.0	14.9
60°-70°	285.8	9.2
70°-80°	149.8	4.8
80°-90°	45.4	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°	963.5	30.9
0°-40°	1572.4	50.4
0°-60°	2638.0	84.6
0°-90°	3119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3119.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1236	1236	1236	1236	1236	
5°	1237	1233	1232	1231	1234	118
15°	1197	1193	1191	1190	1193	338
25°	1111	1107	1105	1105	1105	512
35°	982	978	974	971	970	613
45°	797	791	782	774	771	613
55°	549	534	511	504	502	492
65°	306	292	282	274	275	305
75°	139	140	141	139	137	150
85°	35	40	42	41	40	41
90°	0	0	0	0	0	



TEST NUMBER: P738469

CATALOG NUMBER: 24PT-35-PC3-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1236.5	1236.5	1236.5	1236.5	1236.5
2.5°	1240.6	1236.8	1235.1	1234.8	1237.5
5°	1237.2	1233.4	1232.0	1231.3	1234.4
7.5°	1231.7	1227.6	1226.2	1225.1	1227.9
10°	1223.1	1218.9	1217.6	1216.9	1219.3
12.5°	1210.7	1206.9	1205.9	1204.8	1207.9
15°	1196.9	1193.1	1191.4	1190.4	1192.8
17.5°	1179.0	1175.9	1173.9	1173.9	1175.9
20°	1159.8	1156.0	1154.3	1153.2	1156.7
22.5°	1136.0	1133.6	1131.5	1129.8	1133.6
25°	1110.9	1107.4	1105.4	1104.7	1105.0
27.5°	1082.3	1079.9	1077.2	1076.1	1076.8
30°	1052.4	1049.3	1045.5	1043.4	1045.2
32.5°	1019.0	1014.5	1011.4	1009.4	1011.8
35°	982.2	977.7	974.3	971.2	969.8
37.5°	940.2	938.8	934.0	928.5	928.1
40°	897.9	894.1	887.2	884.8	883.1
42.5°	852.4	844.5	837.3	830.4	828.0
45°	796.7	790.8	781.9	773.6	770.9
47.5°	739.6	732.0	723.4	708.9	707.2
50°	680.0	669.0	653.9	641.8	636.7
52.5°	618.1	603.3	582.3	572.0	569.2
55°	548.6	533.8	511.4	503.8	501.8
57.5°	486.6	464.9	446.7	438.1	440.8
60°	422.9	402.0	385.8	377.5	378.2
62.5°	360.7	344.1	332.1	324.2	325.2
65°	305.6	291.5	282.5	274.3	275.3
67.5°	251.6	245.0	238.5	233.7	230.9
70°	209.6	206.8	200.6	196.2	194.8
72.5°	171.4	173.1	167.9	166.6	166.2
75°	139.0	140.4	141.4	138.7	136.6
77.5°	111.2	113.2	117.4	113.6	112.9
80°	83.6	87.8	92.2	89.8	87.1
82.5°	58.5	63.7	67.8	64.7	63.3
85°	35.4	39.6	42.3	41.3	40.3
87.5°	15.8	17.2	18.6	18.9	18.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)