

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: P738204

Luminaire Tested: **22PT-45-PP3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-45-PP3-L935
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

Summary

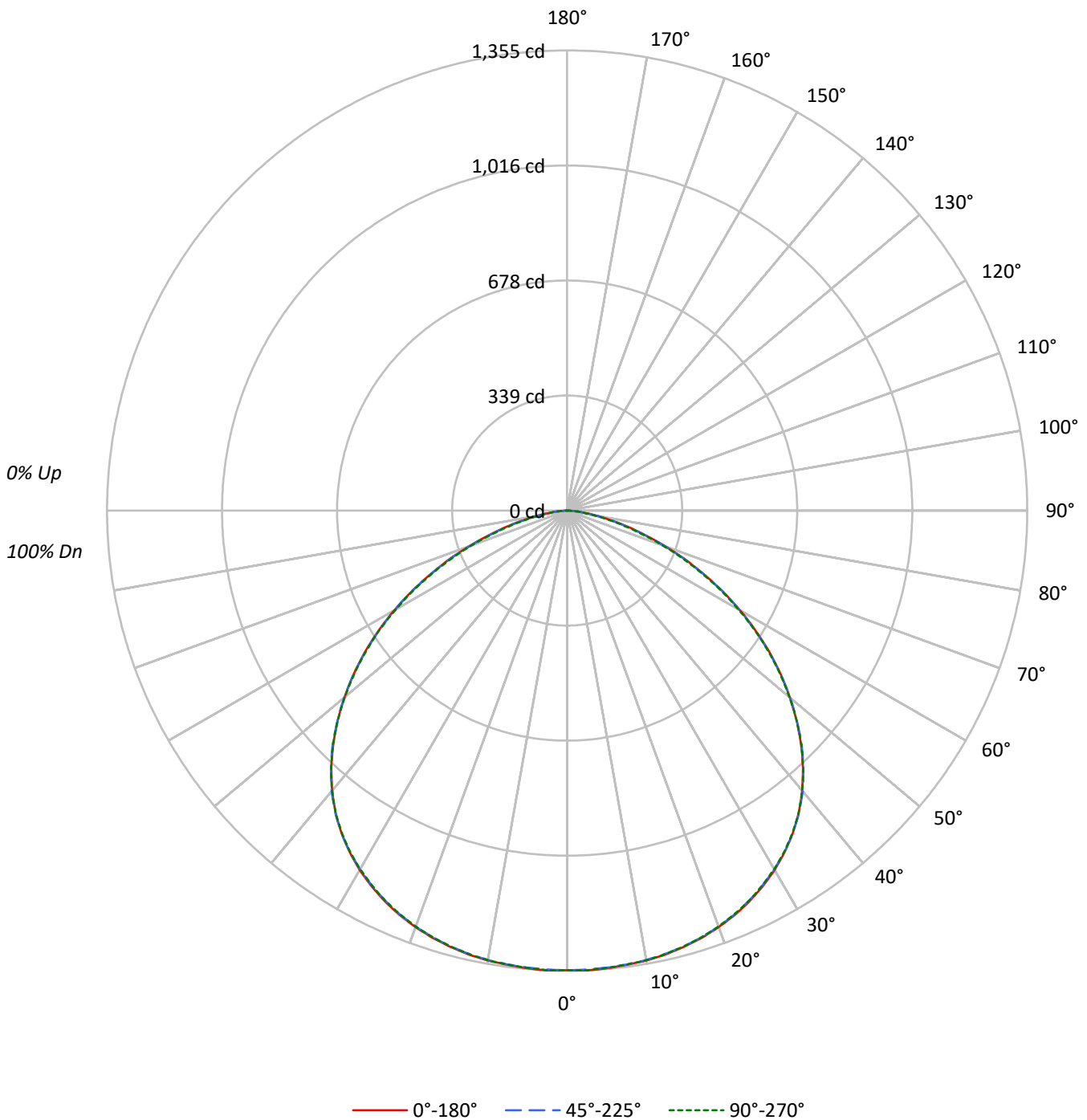
Lumens per Lamp: N/A
Luminaire Lumens: 3883.0 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 35.3
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: P738204

CATALOG NUMBER: 22PT-45-PP3-L935

Luminous Intensity Polar Plot





TEST NUMBER: P738204

CATALOG NUMBER: 22PT-45-PP3-L935

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3966	3966	3966
5°	3978	3973	3975
10°	4002	3997	4000
15°	4034	4030	4030
20°	4069	4065	4064
25°	4105	4098	4098
30°	4134	4127	4125
35°	4146	4146	4141
40°	4119	4127	4119
45°	4037	4048	4043
50°	3902	3907	3897
55°	3714	3705	3698
60°	3448	3440	3414
65°	3080	3077	3042
70°	2633	2616	2559
75°	2098	2035	1974
80°	1495	1465	1387
85°	972	972	941



TEST NUMBER: P738204

CATALOG NUMBER: 22PT-45-PP3-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	3.3
10°-20°	375.4	9.7
20°-30°	584.6	15.1
30°-40°	723.5	18.6
40°-50°	750.2	19.3
50°-60°	646.7	16.7
60°-70°	439.6	11.3
70°-80°	196.7	5.1
80°-90°	37.5	1.0
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°	1088.7	28.0
0°-40°	1812.3	46.7
0°-60°	3209.2	82.6
0°-90°	3883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3883.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1353	1353	1353	1353	1353	
5°	1352	1350	1351	1350	1352	129
15°	1330	1328	1328	1328	1328	376
25°	1270	1268	1268	1267	1268	586
35°	1159	1158	1159	1157	1158	724
45°	974	973	977	975	976	750
55°	727	724	725	724	724	648
65°	444	448	444	442	439	441
75°	185	186	180	179	174	199
85°	29	30	29	28	28	38
90°	0	0	0	0	0	



TEST NUMBER: P738204

CATALOG NUMBER: 22PT-45-PP3-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1353.4	1353.4	1353.4	1353.4	1353.4
2.5°	1355.3	1352.5	1352.5	1353.0	1354.4
5°	1352.5	1349.8	1350.7	1350.2	1351.6
7.5°	1348.9	1346.6	1348.0	1347.0	1348.0
10°	1345.2	1343.0	1343.5	1343.0	1344.4
12.5°	1338.9	1336.2	1337.1	1337.1	1337.6
15°	1329.9	1327.6	1328.5	1327.6	1328.5
17.5°	1319.0	1316.4	1316.9	1316.4	1317.2
20°	1305.1	1303.3	1303.7	1302.8	1303.3
22.5°	1289.2	1287.0	1287.5	1286.6	1286.6
25°	1269.8	1267.9	1267.6	1267.1	1267.6
27.5°	1247.2	1245.0	1245.0	1244.5	1244.5
30°	1221.9	1219.7	1219.7	1219.2	1219.2
32.5°	1192.0	1191.1	1191.6	1190.8	1190.3
35°	1159.1	1157.7	1159.1	1157.3	1157.7
37.5°	1120.7	1118.9	1121.6	1119.8	1120.2
40°	1076.8	1075.9	1079.1	1077.7	1076.8
42.5°	1028.0	1028.0	1029.4	1029.8	1028.9
45°	974.3	973.4	977.0	974.7	975.6
47.5°	916.4	915.1	917.8	917.3	916.9
50°	855.9	854.9	857.2	854.9	854.9
52.5°	793.1	792.6	793.1	790.8	790.3
55°	727.1	724.4	725.3	723.9	723.9
57.5°	658.4	655.2	655.7	655.2	655.7
60°	588.4	587.4	587.0	584.7	582.5
62.5°	516.6	517.4	516.9	513.8	511.5
65°	444.2	447.9	443.8	442.4	438.7
67.5°	376.0	377.3	374.6	371.4	367.4
70°	307.3	310.0	305.4	302.3	298.7
72.5°	241.8	243.6	239.5	237.7	233.2
75°	185.3	185.8	179.8	178.9	174.4
77.5°	131.9	133.7	129.3	129.3	124.7
80°	88.6	91.8	86.8	85.4	82.2
82.5°	55.6	56.0	54.6	53.4	52.0
85°	28.9	29.8	28.9	28.0	28.0
87.5°	10.9	11.3	10.9	10.4	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)