

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: P738219

Luminaire Tested: **22PT-45-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-45-PW1-L930
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

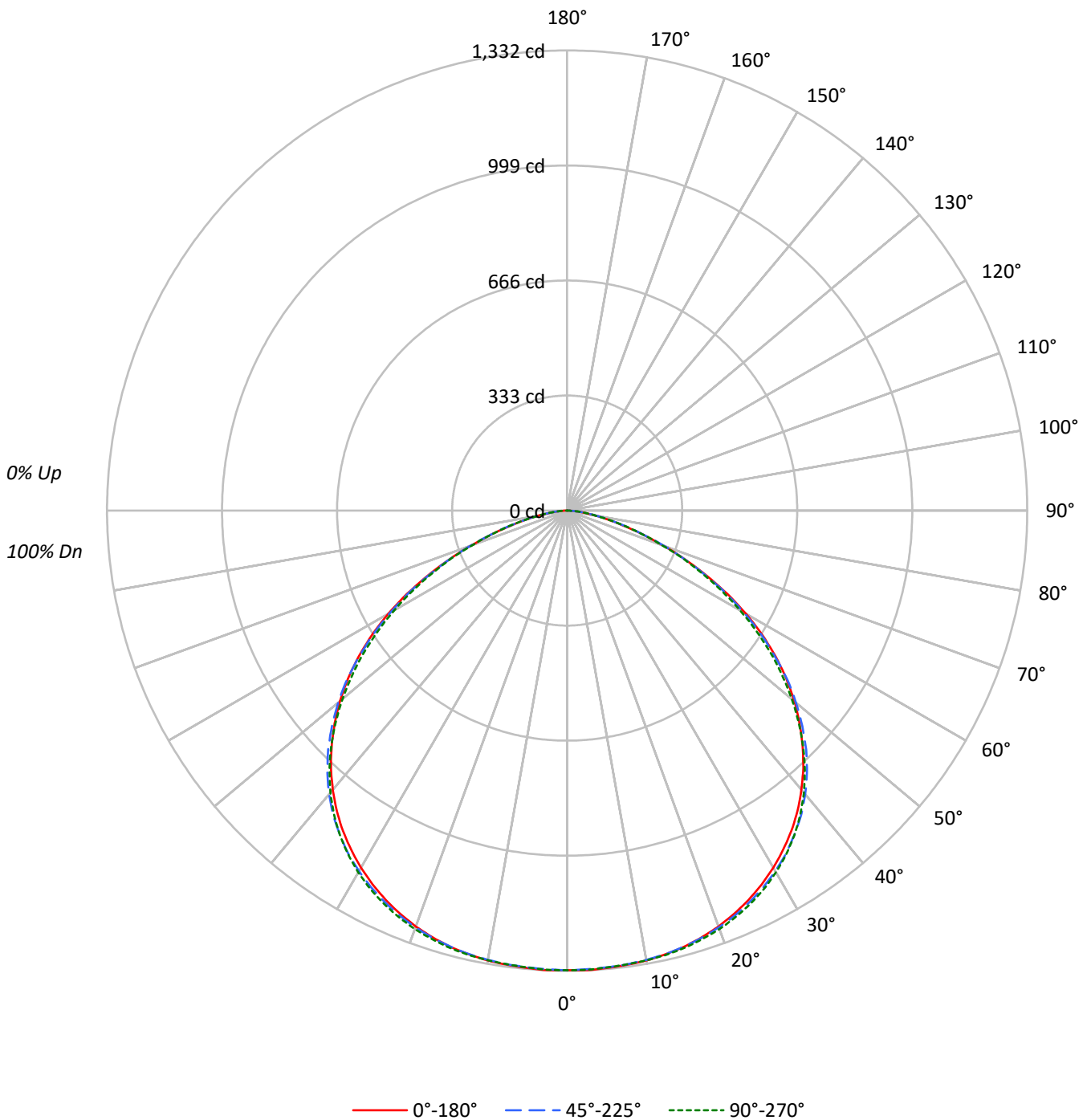
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3846.0 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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 (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

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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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	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	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	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°	3898	3898	3898
5°	3909	3903	3905
10°	3934	3929	3933
15°	3965	3964	3976
20°	3995	4003	4020
25°	4019	4042	4060
30°	4038	4077	4091
35°	4048	4101	4103
40°	4036	4101	4078
45°	3996	4053	4004
50°	3915	3943	3871
55°	3763	3746	3676
60°	3503	3464	3391
65°	3089	3059	3001
70°	2530	2542	2489
75°	1917	1981	1965
80°	1389	1444	1421
85°	911	945	1009



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	3.3
10°-20°	369.5	9.6
20°-30°	576.1	15.0
30°-40°	714.0	18.6
40°-50°	747.2	19.4
50°-60°	651.1	16.9
60°-70°	436.1	11.3
70°-80°	189.1	4.9
80°-90°	36.4	0.9
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°	1072.1	27.9
0°-40°	1786.2	46.4
0°-60°	3184.4	82.8
0°-90°	3846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3846.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1330	1330	1330	1330	1330	
5°	1329	1328	1327	1327	1328	127
15°	1307	1305	1307	1308	1311	369
25°	1243	1243	1250	1254	1256	573
35°	1132	1136	1146	1148	1147	708
45°	964	970	978	970	966	743
55°	737	736	733	725	720	656
65°	446	443	441	437	433	441
75°	169	172	175	174	174	187
85°	27	29	28	29	30	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1330.5	1330.5	1330.5	1330.5	1330.5
2.5°	1331.9	1329.5	1329.0	1329.0	1330.5
5°	1329.0	1327.6	1327.1	1326.7	1327.6
7.5°	1326.2	1324.3	1324.8	1323.8	1324.8
10°	1322.4	1320.5	1320.5	1320.5	1321.9
12.5°	1315.7	1314.3	1314.9	1315.7	1317.6
15°	1307.1	1305.2	1306.8	1308.2	1310.6
17.5°	1295.3	1293.9	1296.3	1298.7	1300.6
20°	1281.1	1279.6	1283.9	1287.3	1289.2
22.5°	1263.4	1263.0	1268.7	1272.5	1273.9
25°	1243.0	1243.4	1250.1	1253.9	1255.8
27.5°	1219.7	1220.7	1229.3	1232.5	1234.4
30°	1193.6	1195.9	1205.0	1207.8	1209.3
32.5°	1164.0	1167.4	1178.3	1180.2	1180.2
35°	1131.8	1136.0	1146.5	1147.8	1147.0
37.5°	1095.6	1100.3	1112.2	1110.3	1108.9
40°	1055.2	1060.4	1072.2	1068.4	1066.2
42.5°	1011.9	1017.1	1027.6	1021.9	1018.5
45°	964.4	969.6	978.2	970.1	966.3
47.5°	912.9	919.1	923.4	914.5	909.7
50°	858.8	860.7	865.0	854.5	849.2
52.5°	799.8	799.8	803.2	791.7	785.5
55°	736.6	736.1	733.3	725.2	719.5
57.5°	669.6	666.7	664.8	656.2	649.6
60°	597.8	593.5	591.1	584.0	578.7
62.5°	522.7	520.3	517.3	511.7	506.0
65°	445.5	443.1	441.2	437.1	432.8
67.5°	369.0	367.5	367.5	364.7	364.2
70°	295.3	296.2	296.7	296.7	290.5
72.5°	228.7	229.2	231.6	229.7	229.2
75°	169.3	172.2	175.0	173.6	173.6
77.5°	121.8	126.0	126.0	125.0	123.6
80°	82.3	84.2	85.6	85.1	84.2
82.5°	52.3	53.7	52.3	53.2	53.7
85°	27.1	29.0	28.1	28.6	30.0
87.5°	9.0	10.0	10.5	10.0	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)