

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: P738180

Luminaire Tested: **22PT-45-PB1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-45-PB1-L935
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

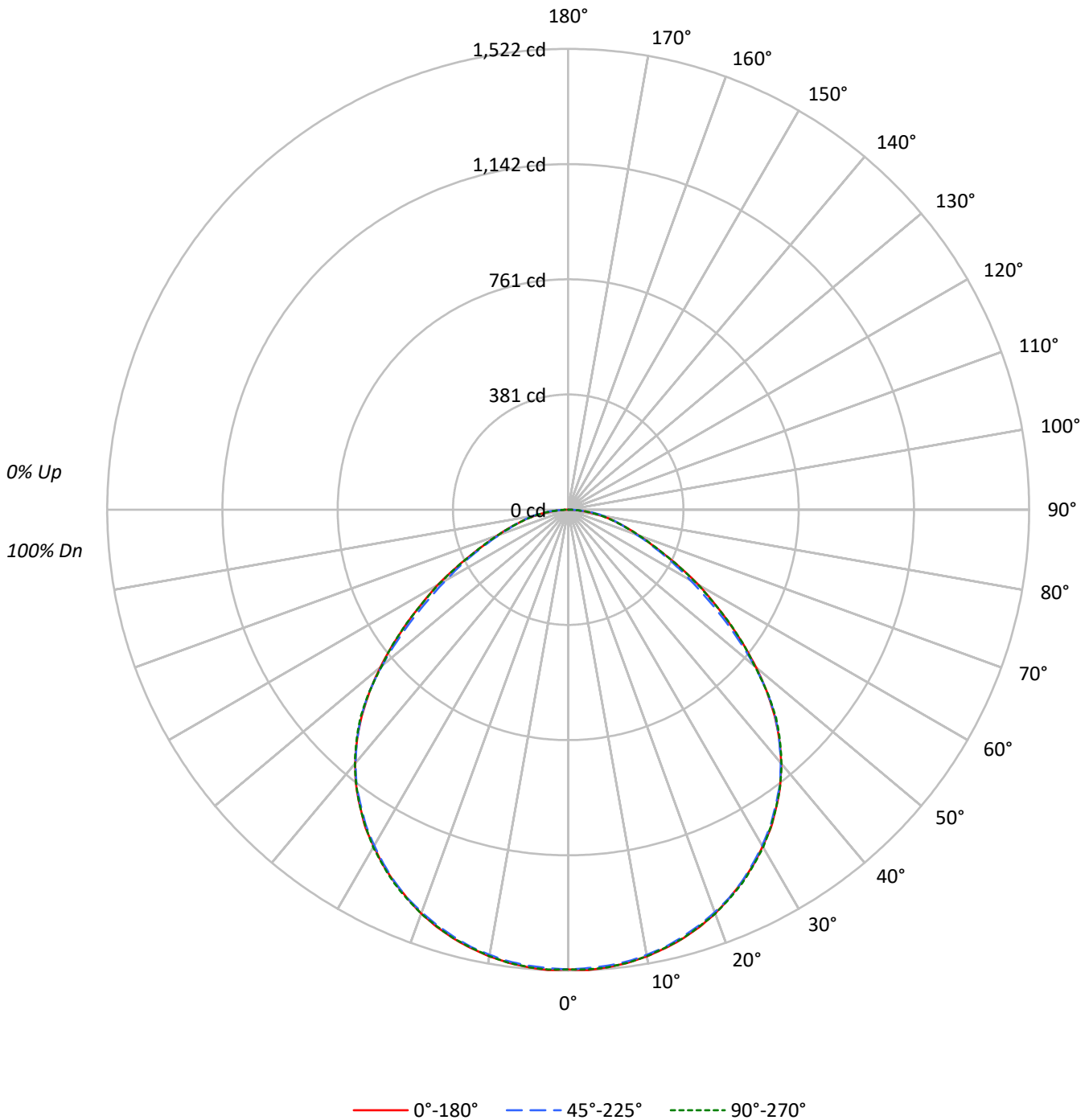
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3828.0 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
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	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°	4449	4449	4449
5°	4460	4446	4460
10°	4457	4442	4455
15°	4446	4430	4445
20°	4424	4411	4426
25°	4388	4384	4398
30°	4343	4333	4356
35°	4285	4269	4285
40°	4186	4176	4190
45°	3997	4005	4020
50°	3691	3660	3666
55°	3298	3188	3310
60°	2911	2734	2893
65°	2439	2362	2439
70°	2115	2057	2125
75°	1928	1956	1928
80°	1812	1967	1822
85°	1577	1930	1617



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.0	3.8
10°-20°	412.9	10.8
20°-30°	625.2	16.3
30°-40°	747.7	19.5
40°-50°	740.3	19.3
50°-60°	569.2	14.9
60°-70°	346.6	9.1
70°-80°	183.5	4.8
80°-90°	58.7	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°	1182.0	30.9
0°-40°	1929.7	50.4
0°-60°	3239.2	84.6
0°-90°	3828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3828.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1518	1518	1518	1518	1518	
5°	1516	1516	1512	1514	1516	144
15°	1466	1463	1460	1463	1465	414
25°	1357	1356	1356	1358	1360	625
35°	1198	1197	1194	1197	1198	749
45°	965	965	966	967	970	740
55°	646	637	624	635	648	579
65°	352	343	341	340	352	356
75°	170	170	173	172	170	183
85°	47	54	57	54	48	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1518.3	1518.3	1518.3	1518.3	1518.3
2.5°	1522.0	1519.5	1515.2	1518.3	1520.1
5°	1516.4	1515.8	1511.5	1513.9	1516.4
7.5°	1509.6	1507.8	1504.7	1507.2	1509.0
10°	1497.9	1496.7	1493.0	1496.1	1497.3
12.5°	1483.1	1481.9	1479.4	1481.9	1481.2
15°	1465.8	1463.3	1460.3	1463.3	1465.2
17.5°	1444.2	1441.7	1439.3	1441.1	1442.4
20°	1418.9	1415.2	1414.6	1417.1	1419.5
22.5°	1388.7	1388.7	1388.0	1389.9	1391.1
25°	1357.2	1356.0	1356.0	1357.8	1360.3
27.5°	1323.2	1320.8	1319.5	1322.6	1324.5
30°	1283.7	1283.1	1280.7	1285.6	1287.4
32.5°	1245.5	1239.3	1240.5	1243.0	1243.6
35°	1198.0	1196.7	1193.6	1197.3	1198.0
37.5°	1149.8	1149.2	1147.3	1148.6	1149.2
40°	1094.3	1093.6	1091.8	1094.3	1095.5
42.5°	1032.5	1031.3	1031.3	1033.2	1035.0
45°	964.7	965.3	966.5	967.1	970.2
47.5°	888.7	890.0	891.2	890.0	890.6
50°	809.7	809.1	803.0	807.3	804.2
52.5°	726.4	717.2	712.2	722.1	728.9
55°	645.6	636.9	624.0	635.1	648.0
57.5°	567.8	553.0	539.4	552.4	565.3
60°	496.8	474.0	466.6	474.6	493.7
62.5°	420.9	404.9	402.4	403.6	420.3
65°	351.8	343.2	340.7	340.1	351.8
67.5°	295.0	289.5	286.4	288.8	296.2
70°	246.9	244.4	240.1	244.4	248.1
72.5°	207.4	206.8	203.1	206.8	205.5
75°	170.3	170.3	172.8	171.6	170.3
77.5°	138.9	140.1	144.4	140.7	137.0
80°	107.4	110.5	116.6	111.1	108.0
82.5°	76.5	83.3	90.1	83.3	79.0
85°	46.9	53.7	57.4	54.3	48.1
87.5°	20.4	24.1	25.3	23.5	20.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)