

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: P738214

Luminaire Tested: **22PT-45-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-45-PR1-L950
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

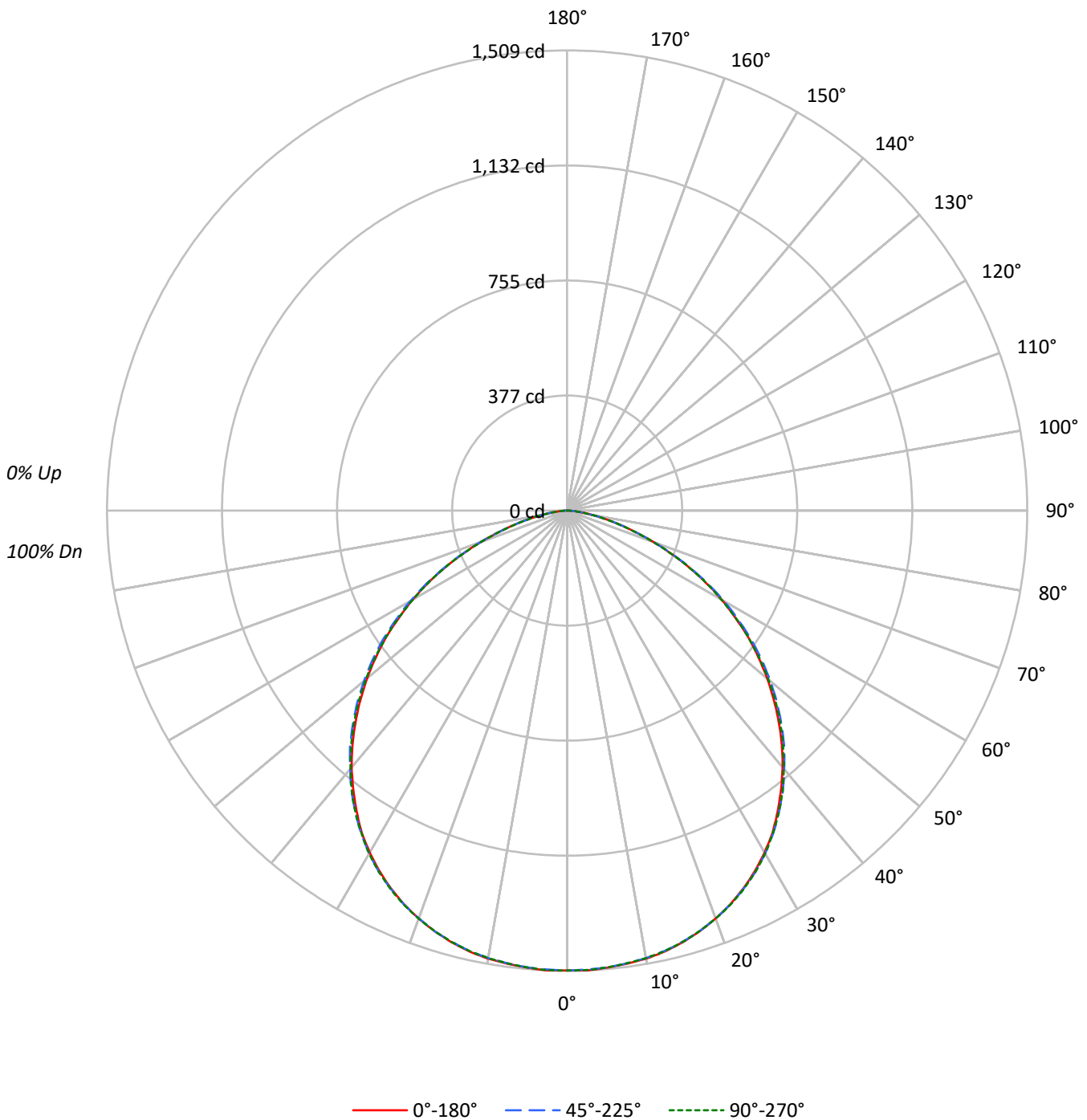
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4030.0 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
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	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78		84	80	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43		54	48	43		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	31		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4419	4419	4419
5°	4425	4422	4422
10°	4439	4433	4433
15°	4445	4440	4442
20°	4439	4437	4440
25°	4420	4424	4428
30°	4380	4393	4395
35°	4306	4330	4328
40°	4206	4234	4229
45°	4067	4120	4099
50°	3902	3962	3930
55°	3705	3763	3710
60°	3434	3482	3422
65°	3064	3096	3060
70°	2578	2578	2561
75°	2020	2020	1997
80°	1478	1463	1455
85°	965	965	985



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.1	3.6
10°-20°	413.3	10.3
20°-30°	630.4	15.6
30°-40°	755.5	18.7
40°-50°	763.0	18.9
50°-60°	652.9	16.2
60°-70°	440.3	10.9
70°-80°	194.2	4.8
80°-90°	37.3	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°	1186.8	29.4
0°-40°	1942.3	48.2
0°-60°	3358.2	83.3
0°-90°	4030.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4030.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1508	1508	1508	1508	1508	
5°	1505	1503	1504	1503	1504	143
15°	1465	1465	1464	1463	1464	414
25°	1367	1368	1368	1368	1370	630
35°	1204	1211	1210	1209	1210	752
45°	982	989	994	993	989	756
55°	725	732	737	736	726	646
65°	442	446	446	446	441	437
75°	178	179	178	179	176	194
85°	29	29	29	29	29	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1508.2	1508.2	1508.2	1508.2	1508.2
2.5°	1509.2	1507.2	1506.6	1506.2	1508.2
5°	1504.6	1502.6	1503.6	1502.6	1503.6
7.5°	1499.1	1497.1	1497.7	1496.5	1497.7
10°	1492.1	1490.0	1490.0	1489.0	1490.0
12.5°	1480.9	1479.5	1478.9	1477.9	1479.5
15°	1465.3	1464.8	1463.8	1463.3	1464.3
17.5°	1446.2	1445.2	1446.2	1444.7	1445.7
20°	1423.5	1424.1	1423.1	1423.5	1424.1
22.5°	1397.8	1397.8	1398.4	1398.4	1399.4
25°	1367.1	1368.5	1368.5	1368.5	1369.7
27.5°	1332.9	1334.9	1336.3	1335.3	1336.3
30°	1294.5	1298.1	1298.5	1298.1	1299.1
32.5°	1253.2	1255.7	1257.2	1256.2	1255.2
35°	1203.7	1210.9	1210.4	1209.3	1209.9
37.5°	1151.9	1159.0	1161.4	1159.4	1160.0
40°	1099.5	1105.6	1107.0	1107.6	1105.6
42.5°	1041.5	1048.6	1054.2	1051.6	1048.6
45°	981.6	989.1	994.2	992.7	989.1
47.5°	919.6	926.6	933.7	931.2	927.7
50°	856.1	863.1	869.2	868.2	862.1
52.5°	791.1	799.2	804.7	802.7	794.6
55°	725.2	731.7	736.7	735.7	726.2
57.5°	653.6	662.1	664.7	663.1	656.1
60°	586.0	591.6	594.1	592.1	584.0
62.5°	513.9	518.5	520.5	520.1	514.5
65°	441.9	445.5	446.5	445.5	441.4
67.5°	367.9	372.9	373.5	373.5	369.3
70°	300.9	302.3	300.9	304.8	298.9
72.5°	235.8	236.8	235.8	235.8	233.2
75°	178.4	178.8	178.4	178.8	176.4
77.5°	129.0	130.0	128.0	129.6	127.0
80°	87.6	87.6	86.7	87.2	86.2
82.5°	54.4	55.4	54.0	54.0	53.4
85°	28.7	28.7	28.7	29.3	29.3
87.5°	10.1	10.1	10.5	10.5	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)