

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: P738190

Luminaire Tested: **22PT-45-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-45-PC3-L950
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

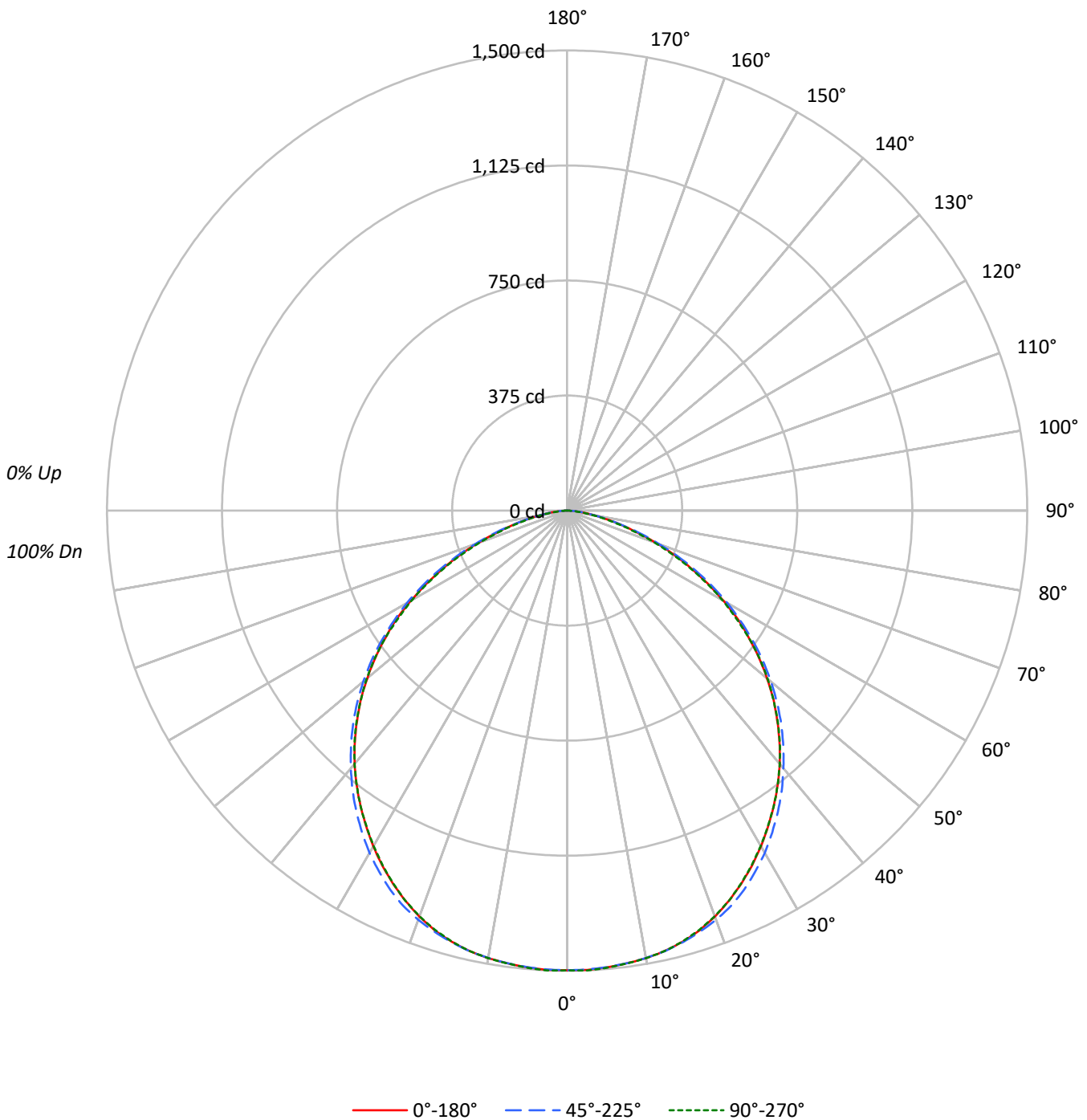
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4026.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 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 (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

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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	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4391	4391	4391
5°	4397	4394	4400
10°	4408	4406	4408
15°	4413	4418	4412
20°	4391	4426	4388
25°	4340	4410	4337
30°	4276	4359	4269
35°	4201	4285	4201
40°	4122	4195	4122
45°	4014	4093	4020
50°	3876	3953	3891
55°	3696	3769	3696
60°	3447	3534	3425
65°	3094	3202	3053
70°	2646	2740	2568
75°	2100	2159	1990
80°	1505	1561	1433
85°	992	1025	931



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.2	3.5
10°-20°	410.7	10.2
20°-30°	623.1	15.5
30°-40°	744.1	18.5
40°-50°	756.8	18.8
50°-60°	654.6	16.3
60°-70°	450.5	11.2
70°-80°	204.4	5.1
80°-90°	39.6	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°	1176.0	29.2
0°-40°	1920.2	47.7
0°-60°	3331.5	82.8
0°-90°	4026.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4026.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1499	1499	1499	1499	1499	
5°	1495	1493	1494	1494	1496	142
15°	1455	1456	1457	1454	1454	410
25°	1342	1354	1364	1352	1341	618
35°	1174	1196	1198	1194	1174	735
45°	969	986	988	987	970	747
55°	724	736	738	736	724	647
65°	446	458	462	458	440	443
75°	186	192	191	189	176	199
85°	30	31	30	30	28	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1498.6	1498.6	1498.6	1498.6	1498.6
2.5°	1498.6	1496.7	1497.1	1497.7	1500.5
5°	1494.9	1493.4	1493.8	1493.8	1495.8
7.5°	1488.6	1488.2	1488.2	1487.6	1489.1
10°	1481.5	1480.6	1481.0	1480.6	1481.5
12.5°	1470.5	1470.5	1470.9	1469.6	1470.5
15°	1454.8	1455.7	1456.6	1454.4	1454.4
17.5°	1434.7	1437.1	1439.5	1435.2	1432.8
20°	1408.1	1413.8	1419.5	1412.8	1407.2
22.5°	1377.1	1386.6	1395.3	1384.7	1377.1
25°	1342.3	1354.2	1364.2	1351.8	1341.4
27.5°	1304.6	1318.0	1327.5	1317.0	1302.7
30°	1263.7	1279.9	1288.4	1278.4	1261.7
32.5°	1219.8	1238.8	1244.0	1237.9	1218.8
35°	1174.5	1195.5	1197.9	1193.6	1174.5
37.5°	1127.3	1147.4	1149.2	1146.8	1127.3
40°	1077.7	1096.3	1096.8	1096.8	1077.7
42.5°	1024.9	1042.9	1042.9	1042.4	1026.2
45°	968.6	986.2	987.7	986.6	970.1
47.5°	912.8	926.2	928.5	926.6	911.9
50°	850.4	864.2	867.1	865.1	853.7
52.5°	788.3	801.3	804.1	802.7	789.8
55°	723.6	735.9	737.8	736.5	723.6
57.5°	661.2	669.2	671.1	668.3	652.1
60°	588.2	599.7	603.0	599.7	584.4
62.5°	517.7	530.0	533.0	528.2	512.0
65°	446.2	458.5	461.8	458.1	440.4
67.5°	378.5	387.5	390.4	386.2	369.8
70°	308.9	320.4	319.8	314.1	299.8
72.5°	240.3	255.9	253.1	249.8	234.0
75°	185.5	192.5	190.7	188.8	175.8
77.5°	132.5	141.1	136.4	136.8	125.8
80°	89.2	97.2	92.5	90.5	84.9
82.5°	56.7	60.0	59.1	58.2	52.9
85°	29.5	31.4	30.5	29.5	27.7
87.5°	11.5	12.4	11.5	11.5	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)