

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: P738203

Luminaire Tested: **22PT-45-PP3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738203
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-L930
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

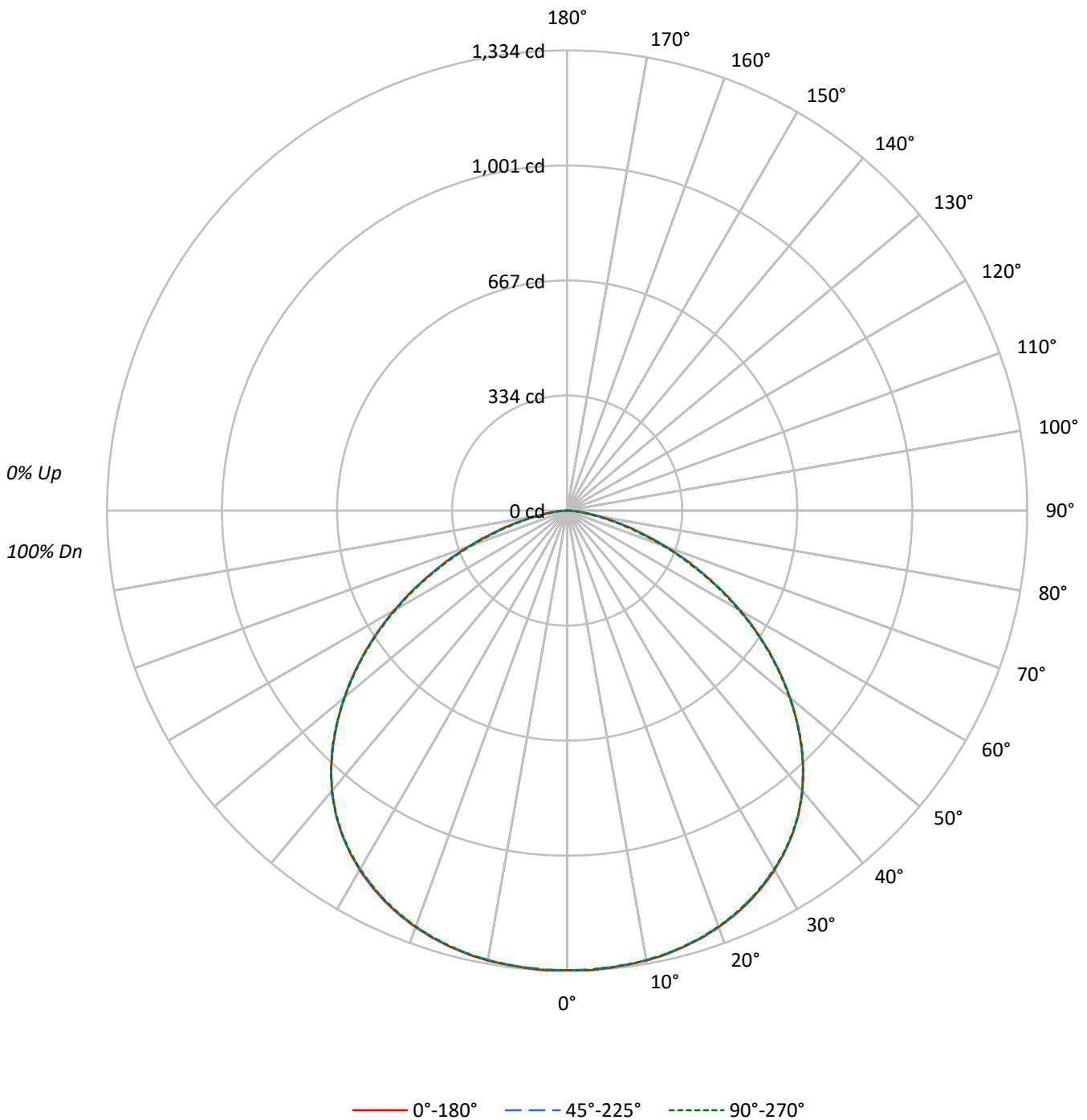
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3823.0 lumens
Efficiency: N/A
Efficacy: 108.3 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3904	3904	3904
5°	3917	3911	3914
10°	3941	3935	3938
15°	3972	3968	3968
20°	4006	4002	4001
25°	4042	4035	4035
30°	4071	4063	4061
35°	4082	4082	4077
40°	4055	4064	4055
45°	3975	3986	3980
50°	3841	3847	3837
55°	3657	3648	3641
60°	3395	3387	3361
65°	3032	3030	2995
70°	2592	2576	2520
75°	2065	2005	1944
80°	1471	1443	1367
85°	955	955	928



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	3.3
10°-20°	369.6	9.7
20°-30°	575.6	15.1
30°-40°	712.3	18.6
40°-50°	738.7	19.3
50°-60°	636.7	16.7
60°-70°	432.8	11.3
70°-80°	193.7	5.1
80°-90°	36.9	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°	1071.9	28.0
0°-40°	1784.3	46.7
0°-60°	3159.6	82.6
0°-90°	3823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3823.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1332	1332	1332	1332	1332	
5°	1332	1329	1330	1329	1331	127
15°	1309	1307	1308	1307	1308	370
25°	1250	1248	1248	1248	1248	576
35°	1141	1140	1141	1139	1140	713
45°	959	958	962	960	960	738
55°	716	713	714	713	713	638
65°	437	441	437	436	432	434
75°	182	183	177	176	172	196
85°	28	29	28	28	28	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1332.4	1332.4	1332.4	1332.4	1332.4
2.5°	1334.3	1331.6	1331.6	1332.1	1333.4
5°	1331.6	1329.0	1329.8	1329.3	1330.7
7.5°	1328.1	1325.8	1327.2	1326.2	1327.2
10°	1324.5	1322.2	1322.7	1322.2	1323.6
12.5°	1318.2	1315.6	1316.5	1316.5	1317.0
15°	1309.4	1307.1	1308.0	1307.1	1308.0
17.5°	1298.6	1296.0	1296.5	1296.0	1296.9
20°	1284.9	1283.2	1283.5	1282.7	1283.2
22.5°	1269.3	1267.1	1267.6	1266.7	1266.7
25°	1250.2	1248.3	1248.0	1247.5	1248.0
27.5°	1227.9	1225.8	1225.8	1225.3	1225.3
30°	1203.1	1200.8	1200.8	1200.3	1200.3
32.5°	1173.6	1172.7	1173.2	1172.4	1171.9
35°	1141.2	1139.8	1141.2	1139.4	1139.8
37.5°	1103.4	1101.6	1104.2	1102.5	1102.9
40°	1060.2	1059.3	1062.4	1061.1	1060.2
42.5°	1012.2	1012.2	1013.5	1013.9	1013.0
45°	959.3	958.4	961.9	959.6	960.5
47.5°	902.2	901.0	903.6	903.1	902.7
50°	842.7	841.7	844.0	841.7	841.7
52.5°	780.8	780.3	780.8	778.6	778.1
55°	715.8	713.2	714.1	712.7	712.7
57.5°	648.2	645.1	645.6	645.1	645.6
60°	579.3	578.3	577.9	575.7	573.5
62.5°	508.6	509.4	508.9	505.8	503.6
65°	437.3	440.9	437.0	435.6	432.0
67.5°	370.2	371.4	368.8	365.7	361.7
70°	302.6	305.2	300.7	297.6	294.1
72.5°	238.1	239.8	235.8	234.1	229.6
75°	182.4	182.9	177.1	176.2	171.7
77.5°	129.9	131.6	127.3	127.3	122.8
80°	87.2	90.3	85.5	84.1	81.0
82.5°	54.8	55.1	53.8	52.5	51.2
85°	28.4	29.3	28.4	27.6	27.6
87.5°	10.7	11.1	10.7	10.2	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)