

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: P738340

Luminaire Tested: **22PT-35-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PW1-L935
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

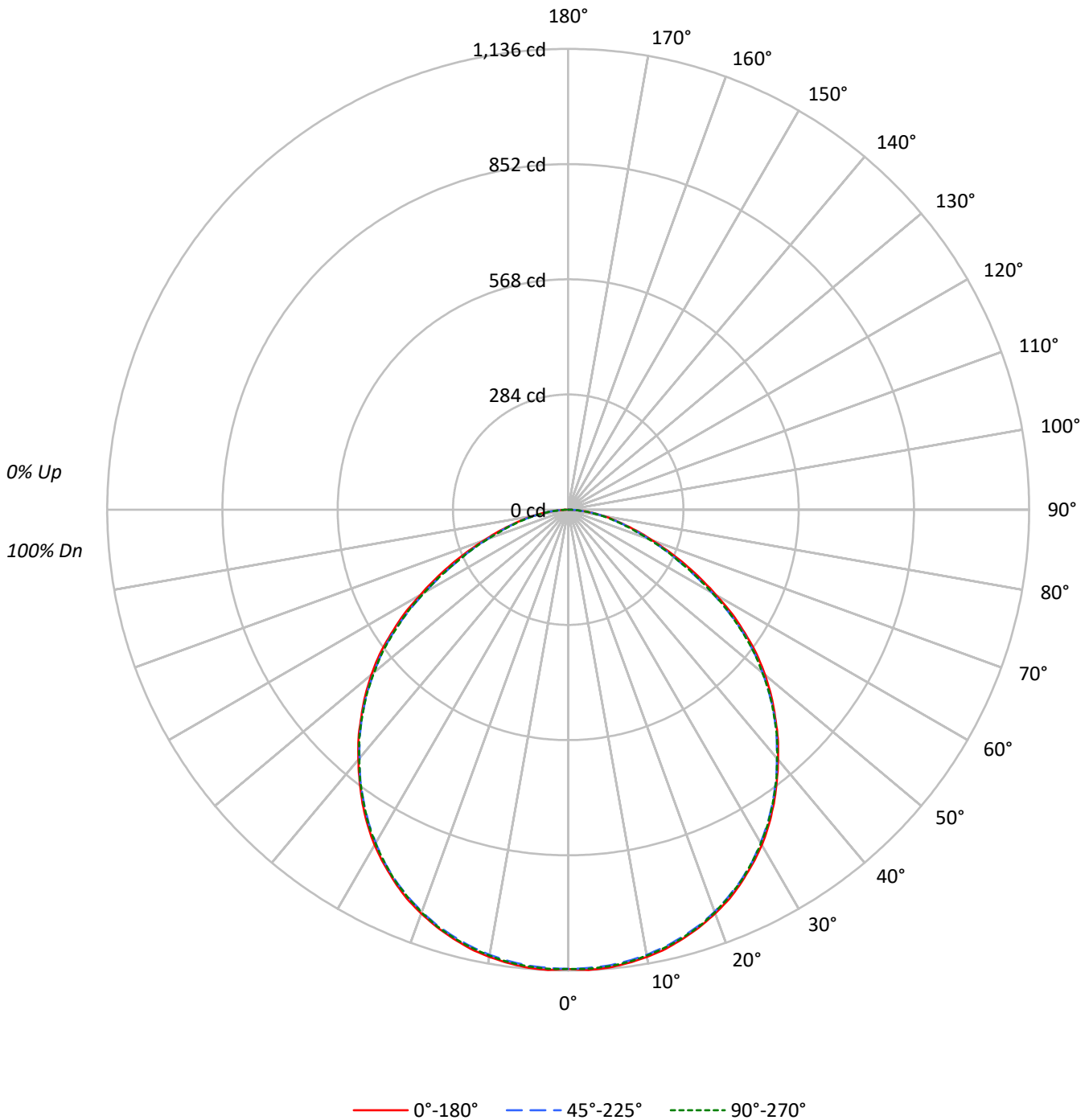
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2948.0 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
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	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	64		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	72	59	50	44	70	58	49	43	56	48	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38		49	43	38		48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31		42	35	31		41	35	31	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°	3317	3317	3317
5°	3333	3318	3325
10°	3331	3314	3321
15°	3320	3305	3313
20°	3303	3289	3294
25°	3273	3258	3262
30°	3230	3209	3213
35°	3161	3143	3146
40°	3077	3061	3063
45°	2988	2977	2973
50°	2884	2852	2845
55°	2718	2681	2667
60°	2467	2396	2401
65°	2194	2091	2091
70°	1880	1811	1797
75°	1631	1595	1558
80°	1468	1407	1380
85°	1167	1177	1109



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	3.6
10°-20°	307.8	10.4
20°-30°	464.4	15.8
30°-40°	550.0	18.7
40°-50°	553.6	18.8
50°-60°	468.1	15.9
60°-70°	304.4	10.3
70°-80°	151.5	5.1
80°-90°	40.8	1.4
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°	879.5	29.8
0°-40°	1429.5	48.5
0°-60°	2451.3	83.2
0°-90°	2948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1132	1132	1132	1132	1132	
5°	1133	1129	1128	1128	1130	108
15°	1094	1091	1090	1089	1092	309
25°	1012	1009	1008	1007	1009	466
35°	884	880	879	879	880	552
45°	721	718	718	717	717	556
55°	532	528	525	523	522	475
65°	316	308	302	299	302	314
75°	144	144	141	137	138	156
85°	35	35	35	35	33	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1132.0	1132.0	1132.0	1132.0	1132.0
2.5°	1135.8	1132.0	1130.7	1130.1	1132.9
5°	1133.3	1129.1	1128.1	1127.5	1130.4
7.5°	1127.5	1123.6	1122.4	1122.0	1124.9
10°	1119.5	1115.6	1114.0	1113.4	1116.3
12.5°	1109.2	1105.0	1103.4	1102.8	1105.4
15°	1094.4	1090.9	1089.6	1089.3	1092.2
17.5°	1078.4	1074.9	1074.2	1073.3	1076.2
20°	1059.2	1055.6	1054.7	1053.4	1056.3
22.5°	1038.0	1033.8	1032.5	1031.6	1033.8
25°	1012.3	1008.8	1007.8	1006.9	1009.1
27.5°	984.1	981.5	980.2	979.3	980.5
30°	954.6	950.1	948.5	947.8	949.7
32.5°	920.5	917.3	915.1	914.8	917.0
35°	883.6	879.8	878.8	878.8	879.5
37.5°	844.5	842.6	841.0	840.0	841.9
40°	804.4	803.7	800.2	799.9	800.9
42.5°	764.9	762.4	759.8	761.1	761.7
45°	721.0	718.4	718.4	717.4	717.4
47.5°	678.6	676.0	672.5	672.8	673.5
50°	632.7	629.5	625.7	627.9	624.1
52.5°	585.9	580.1	577.2	577.2	576.9
55°	532.0	527.5	524.9	522.7	522.0
57.5°	480.0	473.3	466.8	467.5	469.7
60°	421.0	417.8	408.8	409.4	409.7
62.5°	367.7	361.6	352.3	352.3	355.5
65°	316.4	307.7	301.6	299.4	301.6
67.5°	266.0	261.2	256.0	252.5	255.7
70°	219.5	216.9	211.4	207.9	209.8
72.5°	181.6	178.1	173.6	171.7	169.7
75°	144.1	144.1	140.9	137.0	137.6
77.5°	113.6	112.6	110.4	108.8	108.8
80°	87.0	86.0	83.4	82.8	81.8
82.5°	60.0	60.3	59.0	58.1	56.8
85°	34.7	35.3	35.0	35.0	33.0
87.5°	14.8	13.5	14.4	14.1	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)