

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: P738166

Luminaire Tested: **22PT-35-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738166
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-35-PR1-L950
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

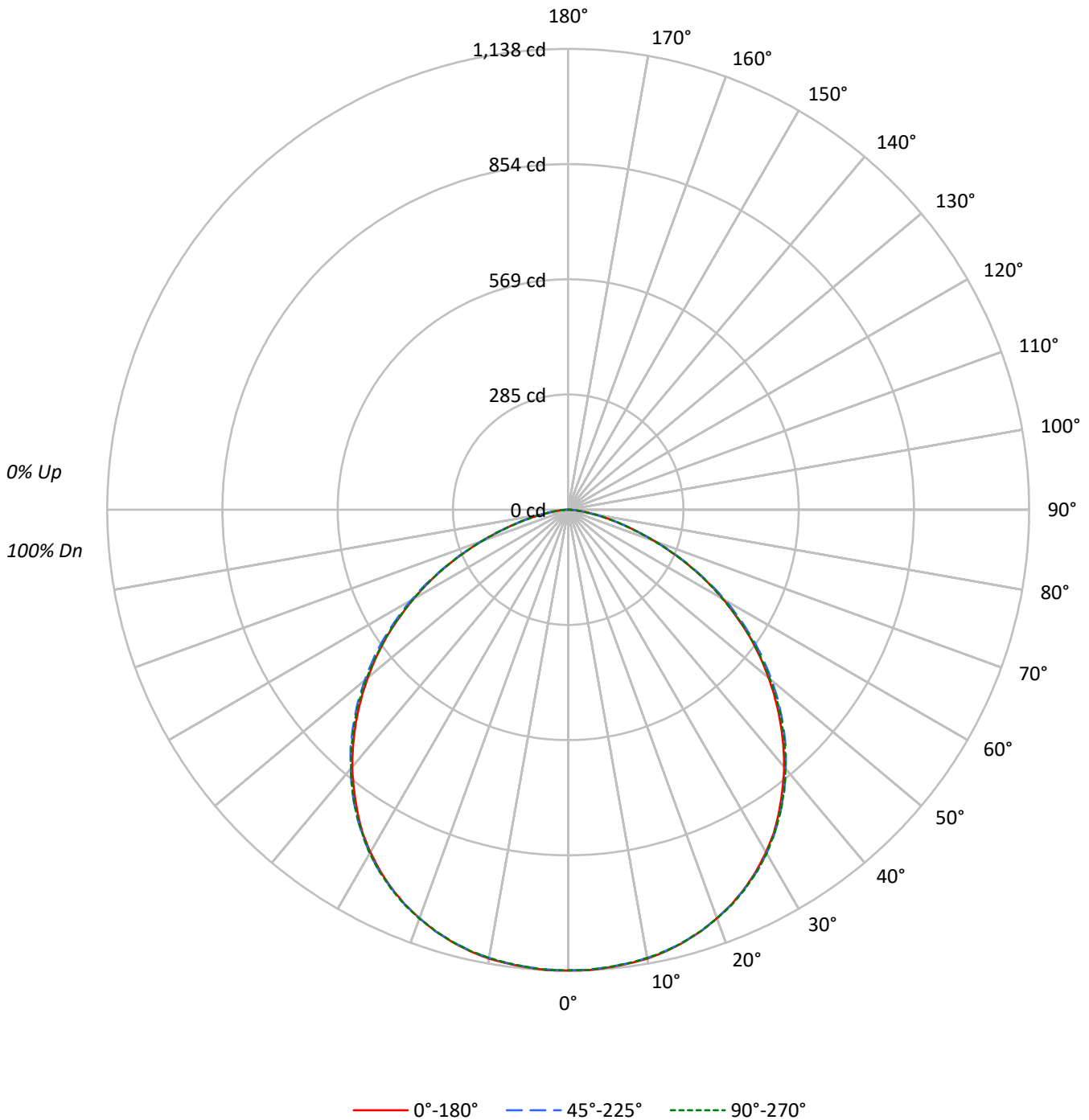
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3040.0 lumens
Efficiency: N/A
Efficacy: 115.6 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): 26.3
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					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°	3334	3334	3334
5°	3338	3336	3336
10°	3349	3344	3344
15°	3353	3350	3351
20°	3348	3347	3349
25°	3334	3337	3340
30°	3304	3314	3315
35°	3248	3266	3264
40°	3172	3194	3190
45°	3068	3108	3092
50°	2944	2989	2964
55°	2794	2839	2798
60°	2590	2626	2581
65°	2312	2335	2308
70°	1945	1945	1932
75°	1524	1524	1507
80°	1115	1104	1097
85°	726	726	743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.9	3.6
10°-20°	311.8	10.3
20°-30°	475.5	15.6
30°-40°	569.9	18.7
40°-50°	575.6	18.9
50°-60°	492.5	16.2
60°-70°	332.1	10.9
70°-80°	146.5	4.8
80°-90°	28.1	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°	895.2	29.4
0°-40°	1465.2	48.2
0°-60°	2533.3	83.3
0°-90°	3040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3040.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1138	1138	1138	1138	1138	
5°	1135	1134	1134	1134	1134	108
15°	1105	1105	1104	1104	1105	312
25°	1031	1032	1032	1032	1033	475
35°	908	913	913	912	913	568
45°	740	746	750	749	746	571
55°	547	552	556	555	548	487
65°	333	336	337	336	333	329
75°	135	135	135	135	133	147
85°	22	22	22	22	22	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1137.7	1137.7	1137.7	1137.7	1137.7
2.5°	1138.4	1136.9	1136.5	1136.2	1137.7
5°	1135.0	1133.5	1134.2	1133.5	1134.2
7.5°	1130.8	1129.3	1129.7	1128.9	1129.7
10°	1125.6	1124.0	1124.0	1123.2	1124.0
12.5°	1117.1	1116.0	1115.6	1114.8	1116.0
15°	1105.3	1105.0	1104.2	1103.8	1104.6
17.5°	1091.0	1090.2	1091.0	1089.8	1090.5
20°	1073.8	1074.2	1073.5	1073.8	1074.2
22.5°	1054.4	1054.4	1054.8	1054.8	1055.6
25°	1031.3	1032.3	1032.3	1032.3	1033.2
27.5°	1005.4	1006.9	1008.0	1007.3	1008.0
30°	976.5	979.2	979.5	979.2	979.9
32.5°	945.3	947.3	948.3	947.6	946.8
35°	908.0	913.4	913.1	912.2	912.6
37.5°	868.9	874.3	876.1	874.6	875.0
40°	829.4	834.0	835.1	835.5	834.0
42.5°	785.7	791.0	795.2	793.3	791.0
45°	740.4	746.1	750.0	748.8	746.1
47.5°	693.7	699.0	704.3	702.4	699.8
50°	645.8	651.1	655.7	654.9	650.3
52.5°	596.8	602.9	607.0	605.5	599.4
55°	547.0	552.0	555.7	555.0	547.8
57.5°	493.0	499.5	501.4	500.2	495.0
60°	442.0	446.3	448.1	446.6	440.5
62.5°	387.7	391.1	392.6	392.3	388.1
65°	333.4	336.0	336.8	336.0	332.9
67.5°	277.5	281.3	281.7	281.7	278.6
70°	227.0	228.0	227.0	230.0	225.5
72.5°	177.9	178.6	177.9	177.9	175.9
75°	134.6	134.9	134.6	134.9	133.1
77.5°	97.3	98.0	96.5	97.7	95.8
80°	66.1	66.1	65.4	65.8	65.0
82.5°	41.0	41.8	40.7	40.7	40.3
85°	21.6	21.6	21.6	22.1	22.1
87.5°	7.6	7.6	7.9	7.9	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)