

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: P738462

Luminaire Tested: **24PT-30-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-30-PW1-L950
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

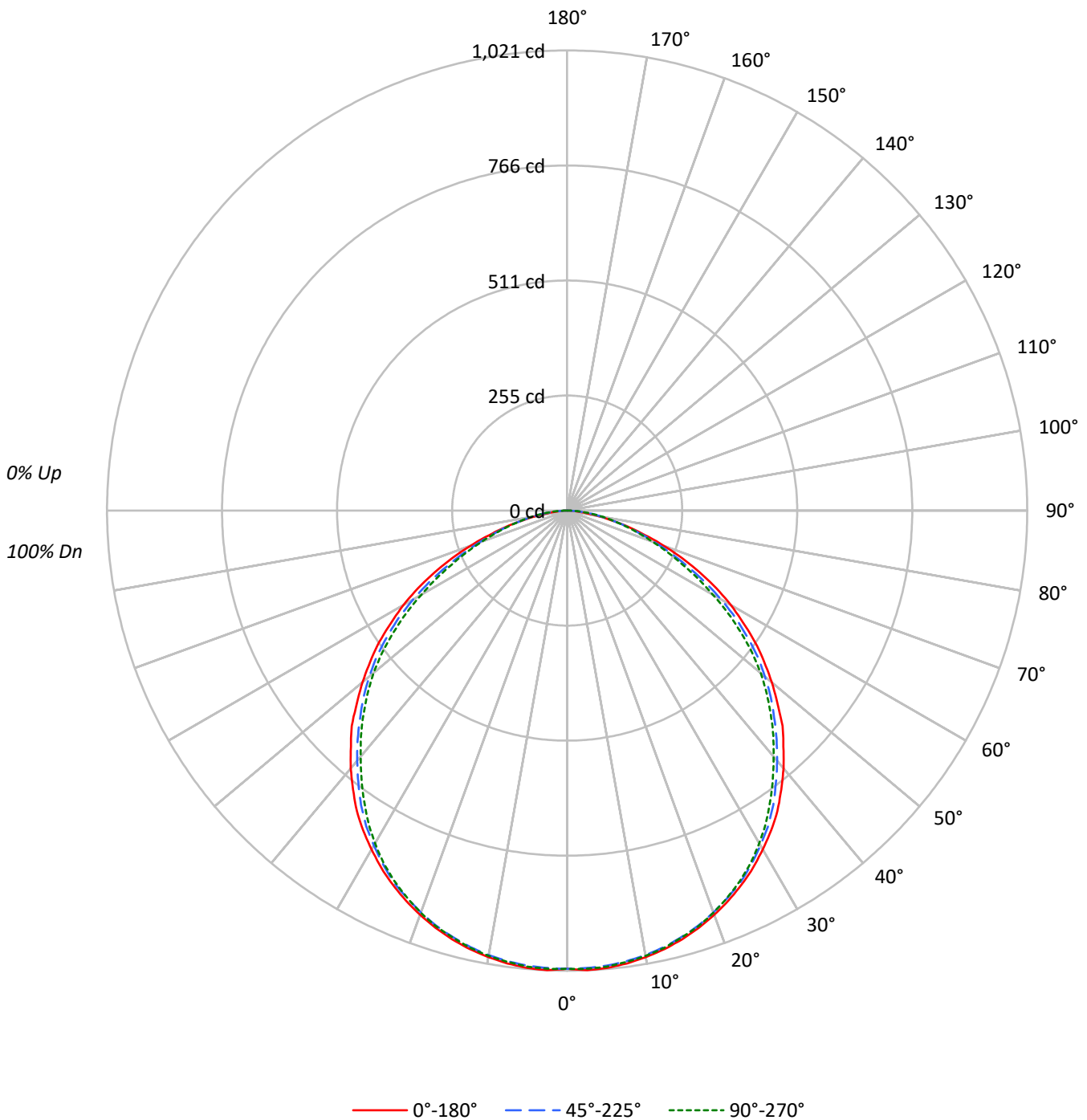
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2711.0 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 23.8
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

TEST NUMBER: P738462
CATALOG NUMBER: 24PT-30-PW1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P738462

CATALOG NUMBER: 24PT-30-PW1-L950

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	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		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	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1458	1458	1458
5°	1466	1459	1462
10°	1465	1458	1461
15°	1462	1454	1456
20°	1456	1448	1449
25°	1449	1440	1435
30°	1437	1421	1412
35°	1424	1395	1376
40°	1398	1357	1334
45°	1370	1317	1296
50°	1322	1277	1250
55°	1273	1219	1175
60°	1204	1130	1071
65°	1102	1006	954
70°	955	872	841
75°	782	752	742
80°	571	643	662
85°	382	536	571



TEST NUMBER: P738462

CATALOG NUMBER: 24PT-30-PW1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.4	3.6
10°-20°	276.8	10.2
20°-30°	419.0	15.5
30°-40°	498.5	18.4
40°-50°	503.5	18.6
50°-60°	435.7	16.1
60°-70°	297.7	11.0
70°-80°	146.7	5.4
80°-90°	36.7	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°	792.2	29.2
0°-40°	1290.7	47.6
0°-60°	2230.0	82.3
0°-90°	2711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2711.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1017	1017	1017	1017	1017	
5°	1018	1015	1014	1013	1016	97
15°	985	982	980	979	981	278
25°	916	912	910	907	907	422
35°	814	807	797	788	786	508
45°	676	664	650	642	639	519
55°	509	502	488	477	470	454
65°	325	312	297	287	281	321
75°	141	137	136	135	134	151
85°	23	29	33	34	35	30
90°	0	0	0	0	0	



TEST NUMBER: P738462

CATALOG NUMBER: 24PT-30-PW1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1016.7	1016.7	1016.7	1016.7	1016.7
2.5°	1020.8	1017.0	1015.8	1015.0	1017.6
5°	1018.5	1014.7	1013.5	1012.6	1015.6
7.5°	1013.5	1009.7	1008.5	1007.6	1010.0
10°	1006.1	1002.6	1001.4	1000.6	1003.2
12.5°	996.7	993.5	992.0	990.9	993.8
15°	985.0	981.8	979.7	979.1	980.9
17.5°	970.9	967.6	966.2	965.3	967.3
20°	954.4	950.9	948.8	947.7	949.4
22.5°	936.2	932.7	930.0	928.8	929.4
25°	915.6	912.1	910.3	906.8	906.8
27.5°	893.6	889.5	885.0	881.2	881.5
30°	868.0	863.3	858.0	853.0	852.7
32.5°	842.1	836.3	829.8	823.0	821.0
35°	813.6	806.9	797.2	788.3	786.0
37.5°	780.1	773.9	761.0	753.7	749.8
40°	746.9	738.1	724.8	716.3	712.8
42.5°	710.4	701.9	687.8	679.9	676.9
45°	675.8	664.3	649.6	642.3	639.0
47.5°	632.6	623.1	612.9	604.3	600.2
50°	592.6	584.9	572.6	563.2	560.5
52.5°	550.8	544.4	532.6	520.3	517.3
55°	509.4	502.3	487.6	477.4	470.0
57.5°	462.7	456.5	442.7	429.4	423.0
60°	419.7	409.2	393.9	379.5	373.6
62.5°	373.0	362.7	345.1	330.4	327.2
65°	324.8	312.5	296.6	286.9	281.3
67.5°	276.0	264.0	250.7	244.6	241.0
70°	227.8	218.1	208.1	203.7	200.5
72.5°	181.4	175.8	170.2	168.4	165.5
75°	141.1	137.0	135.8	134.9	134.0
77.5°	101.7	103.8	104.9	106.1	104.9
80°	69.1	73.5	77.9	80.2	80.2
82.5°	42.6	50.3	54.1	56.4	56.1
85°	23.2	28.8	32.6	33.8	34.7
87.5°	9.4	11.8	13.2	14.4	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)