

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: P738163

Luminaire Tested: **22PT-35-PR1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738163
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-L930
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

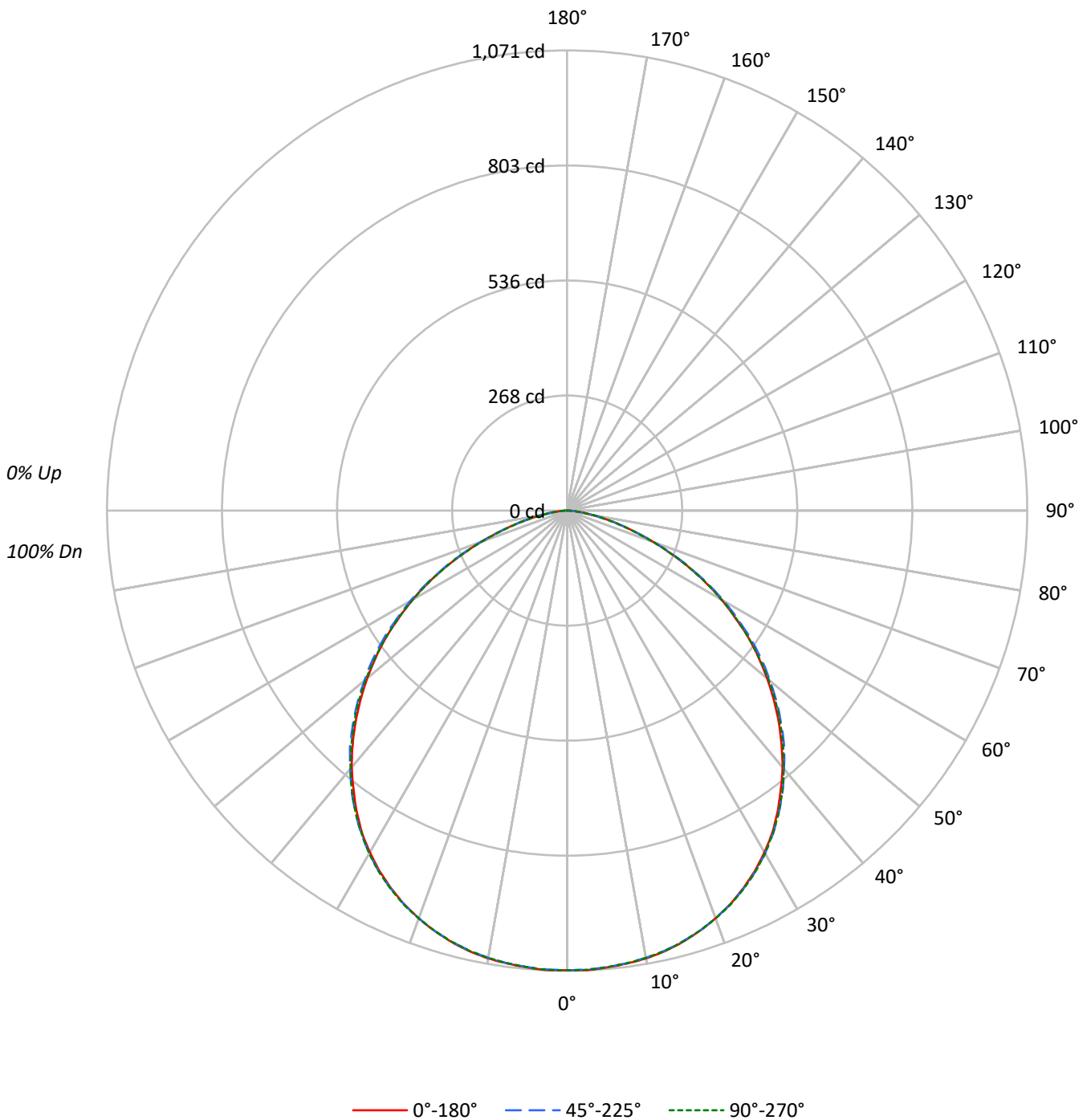
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2859.0 lumens
Efficiency: N/A
Efficacy: 108.7 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

TEST NUMBER: P738163
CATALOG NUMBER: 22PT-35-PR1-L930

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	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°	3135	3135	3135
5°	3139	3137	3137
10°	3149	3145	3145
15°	3153	3150	3151
20°	3149	3148	3150
25°	3136	3139	3141
30°	3107	3117	3118
35°	3055	3072	3070
40°	2983	3004	3000
45°	2886	2923	2908
50°	2769	2811	2788
55°	2628	2670	2632
60°	2436	2469	2428
65°	2174	2196	2171
70°	1828	1828	1816
75°	1433	1433	1417
80°	1050	1038	1033
85°	686	686	699



TEST NUMBER: P738163

CATALOG NUMBER: 22PT-35-PR1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	3.6
10°-20°	293.2	10.3
20°-30°	447.2	15.6
30°-40°	536.0	18.7
40°-50°	541.3	18.9
50°-60°	463.2	16.2
60°-70°	312.3	10.9
70°-80°	137.8	4.8
80°-90°	26.5	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°	841.9	29.4
0°-40°	1377.9	48.2
0°-60°	2382.4	83.3
0°-90°	2859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2859.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1070	1070	1070	1070	1070	
5°	1067	1066	1067	1066	1067	102
15°	1040	1039	1038	1038	1039	293
25°	970	971	971	971	972	447
35°	854	859	859	858	858	534
45°	696	702	705	704	702	537
55°	514	519	523	522	515	458
65°	314	316	317	316	313	310
75°	127	127	127	127	125	138
85°	20	20	20	21	21	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1069.9	1069.9	1069.9	1069.9	1069.9
2.5°	1070.6	1069.2	1068.8	1068.5	1069.9
5°	1067.4	1066.0	1066.7	1066.0	1066.7
7.5°	1063.5	1062.1	1062.5	1061.7	1062.5
10°	1058.5	1057.0	1057.0	1056.3	1057.0
12.5°	1050.6	1049.6	1049.2	1048.5	1049.6
15°	1039.5	1039.2	1038.5	1038.1	1038.8
17.5°	1026.0	1025.3	1026.0	1024.9	1025.6
20°	1009.9	1010.3	1009.6	1009.9	1010.3
22.5°	991.6	991.6	992.0	992.0	992.7
25°	969.9	970.9	970.9	970.9	971.7
27.5°	945.6	947.0	948.0	947.3	948.0
30°	918.4	920.9	921.2	920.9	921.6
32.5°	889.0	890.9	891.9	891.2	890.5
35°	854.0	859.0	858.7	857.9	858.3
37.5°	817.2	822.2	823.9	822.5	822.9
40°	780.0	784.3	785.3	785.7	784.3
42.5°	738.9	743.9	747.9	746.0	743.9
45°	696.4	701.7	705.3	704.2	701.7
47.5°	652.4	657.4	662.4	660.6	658.2
50°	607.4	612.3	616.6	615.9	611.6
52.5°	561.2	567.0	570.9	569.5	563.7
55°	514.5	519.1	522.6	521.9	515.2
57.5°	463.7	469.7	471.5	470.4	465.5
60°	415.7	419.7	421.4	420.0	414.3
62.5°	364.6	367.8	369.2	368.9	365.0
65°	313.5	316.0	316.7	316.0	313.1
67.5°	261.0	264.5	264.9	264.9	262.0
70°	213.4	214.5	213.4	216.3	212.0
72.5°	167.3	168.0	167.3	167.3	165.5
75°	126.6	126.9	126.6	126.9	125.2
77.5°	91.5	92.2	90.8	91.9	90.1
80°	62.2	62.2	61.5	61.9	61.2
82.5°	38.6	39.3	38.3	38.3	37.9
85°	20.4	20.4	20.4	20.8	20.8
87.5°	7.2	7.2	7.5	7.5	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)