

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: P738452

Luminaire Tested: **24PT-30-PR1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-30-PR1-L935
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

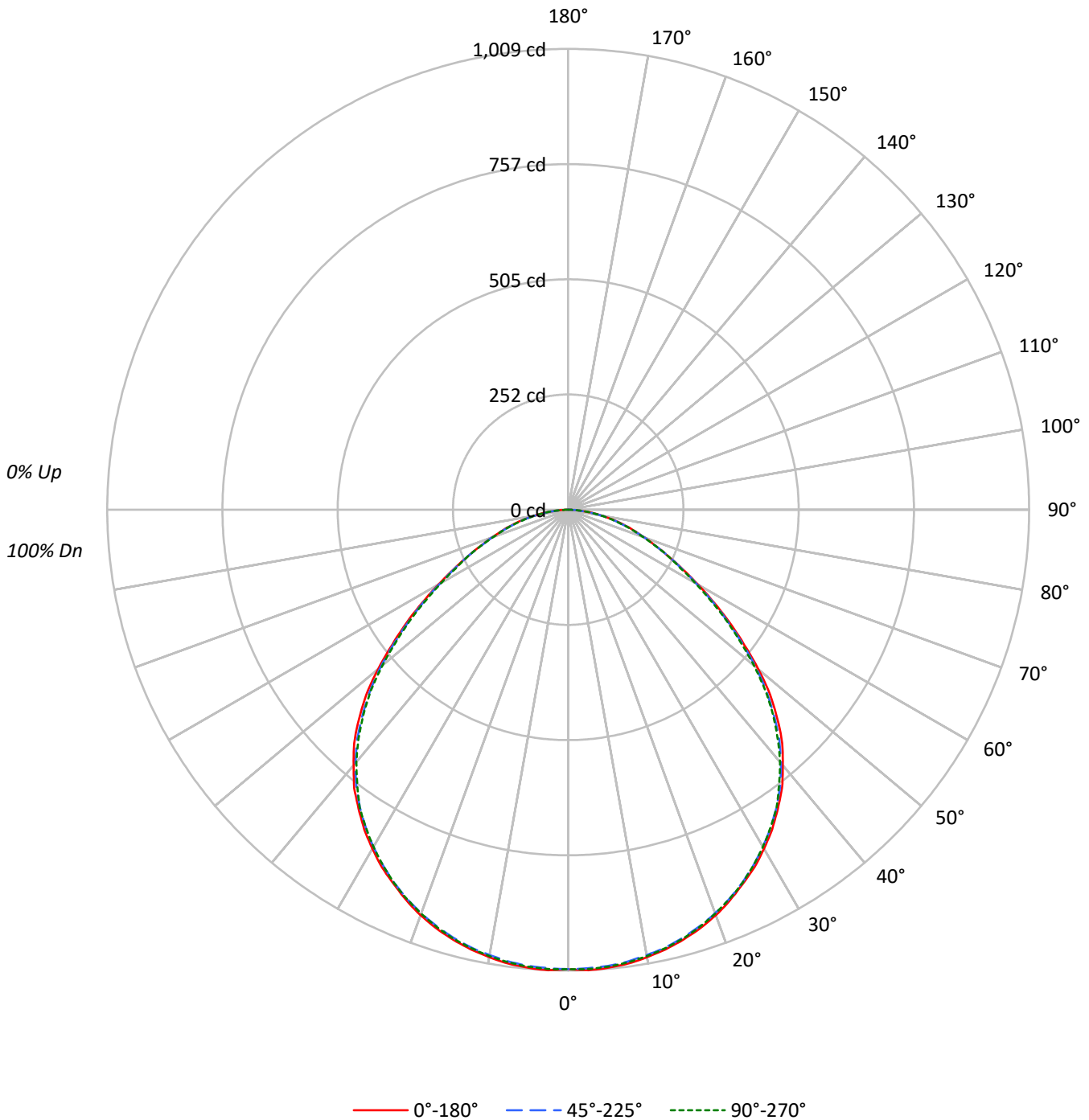
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2562.0 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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: P738452
CATALOG NUMBER: 24PT-30-PR1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P738452

CATALOG NUMBER: 24PT-30-PR1-L935

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	87	85
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66		75	70	65		72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57		67	61	56		65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50		60	54	49		59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44		55	48	43		53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39		50	44	39		49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		42	36	31		41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29		39	33	29		38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1442	1442	1442
5°	1449	1443	1446
10°	1449	1442	1445
15°	1447	1440	1443
20°	1442	1435	1436
25°	1430	1426	1427
30°	1419	1411	1411
35°	1400	1391	1393
40°	1368	1356	1350
45°	1313	1292	1285
50°	1212	1195	1183
55°	1079	1064	1057
60°	941	930	921
65°	824	825	820
70°	742	740	729
75°	691	670	672
80°	617	605	605
85°	475	490	471



TEST NUMBER: P738452

CATALOG NUMBER: 24PT-30-PR1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	3.7
10°-20°	274.0	10.7
20°-30°	415.4	16.2
30°-40°	496.9	19.4
40°-50°	490.6	19.1
50°-60°	381.9	14.9
60°-70°	242.4	9.5
70°-80°	130.1	5.1
80°-90°	35.3	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°	784.9	30.6
0°-40°	1281.8	50.0
0°-60°	2154.2	84.1
0°-90°	2562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1006	1006	1006	1006	1006	
5°	1007	1004	1003	1002	1004	96
15°	974	971	970	969	972	275
25°	904	902	901	900	902	417
35°	800	798	795	792	796	500
45°	648	643	637	634	634	497
55°	432	429	426	423	423	387
65°	243	244	243	240	242	244
75°	125	123	121	121	121	132
85°	29	30	30	30	29	36
90°	0	0	0	0	0	



TEST NUMBER: P738452

CATALOG NUMBER: 24PT-30-PR1-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1006.0	1006.0	1006.0	1006.0	1006.0
2.5°	1009.4	1006.0	1004.9	1004.3	1006.8
5°	1006.8	1003.7	1002.6	1002.1	1004.3
7.5°	1002.6	999.0	997.8	997.3	999.8
10°	995.0	991.7	990.3	990.3	992.5
12.5°	986.1	983.2	981.8	980.7	983.2
15°	974.5	971.2	970.3	969.2	972.0
17.5°	960.8	957.4	956.3	955.7	957.7
20°	945.0	940.8	940.3	940.0	941.1
22.5°	925.7	923.4	922.3	921.7	922.6
25°	904.0	902.4	901.2	899.5	901.8
27.5°	883.0	880.7	877.9	876.5	877.9
30°	857.1	854.3	852.4	851.8	852.4
32.5°	830.5	827.7	825.1	824.8	824.6
35°	799.6	797.9	794.8	792.3	795.6
37.5°	769.0	765.0	762.2	759.1	758.3
40°	730.8	729.4	724.6	721.8	721.5
42.5°	693.7	687.2	683.9	681.9	678.8
45°	647.6	643.1	637.2	634.2	633.9
47.5°	599.6	594.0	588.4	584.2	585.3
50°	543.4	540.9	535.6	531.9	530.5
52.5°	485.6	485.0	479.4	477.2	474.6
55°	431.7	429.4	425.5	422.7	422.7
57.5°	378.6	376.6	374.6	369.3	369.3
60°	328.0	327.7	324.4	321.3	321.0
62.5°	282.8	284.5	281.4	278.3	276.6
65°	242.9	243.8	243.2	240.1	241.8
67.5°	207.8	208.1	207.0	205.3	206.4
70°	176.9	178.3	176.4	175.2	173.8
72.5°	150.0	149.4	147.7	148.6	146.6
75°	124.7	122.7	121.0	120.8	121.3
77.5°	99.4	98.9	97.5	97.5	96.6
80°	74.7	74.1	73.3	73.6	73.3
82.5°	53.1	51.7	50.6	51.1	51.4
85°	28.9	29.5	29.8	29.8	28.6
87.5°	11.8	11.5	11.8	12.4	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)