

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: P738455

Luminaire Tested: **24PT-30-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738455
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-L830
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

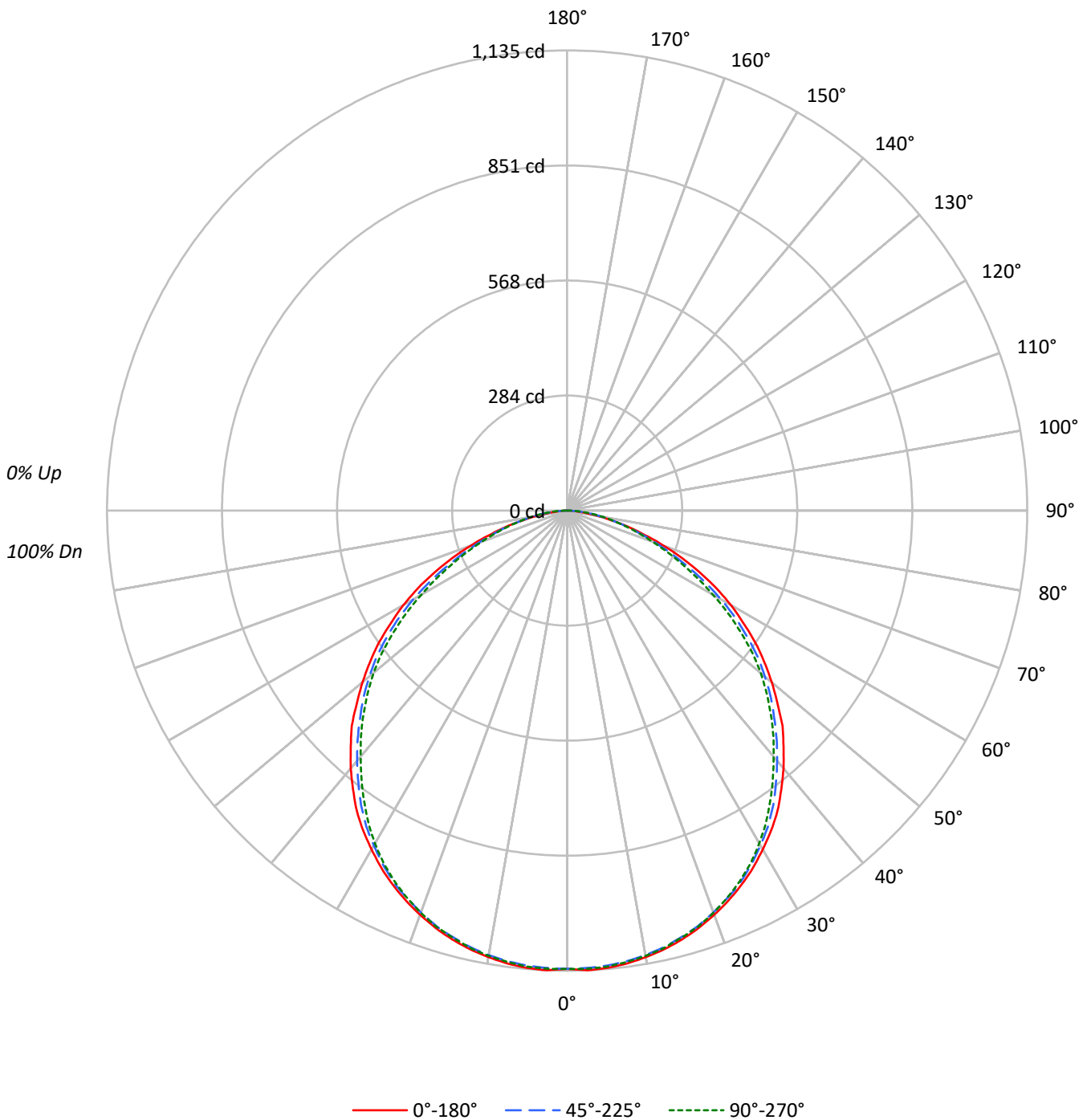
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3014.0 lumens
Efficiency: N/A
Efficacy: 126.6 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: P738455
CATALOG NUMBER: 24PT-30-PW1-L830

Luminous Intensity Polar Plot





TEST NUMBER: P738455

CATALOG NUMBER: 24PT-30-PW1-L830

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°	1621	1621	1621
5°	1630	1622	1625
10°	1629	1621	1624
15°	1626	1617	1619
20°	1619	1610	1611
25°	1611	1601	1595
30°	1598	1579	1570
35°	1583	1551	1530
40°	1554	1508	1483
45°	1523	1464	1441
50°	1470	1420	1390
55°	1416	1355	1306
60°	1338	1256	1191
65°	1225	1119	1061
70°	1062	970	934
75°	869	837	825
80°	634	715	737
85°	424	597	635



TEST NUMBER: P738455

CATALOG NUMBER: 24PT-30-PW1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	3.6
10°-20°	307.8	10.2
20°-30°	465.8	15.5
30°-40°	554.2	18.4
40°-50°	559.8	18.6
50°-60°	484.4	16.1
60°-70°	330.9	11.0
70°-80°	163.1	5.4
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°	880.8	29.2
0°-40°	1435.0	47.6
0°-60°	2479.3	82.3
0°-90°	3014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3014.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1130	1130	1130	1130	1130	
5°	1132	1128	1127	1126	1129	108
15°	1095	1092	1089	1088	1090	309
25°	1018	1014	1012	1008	1008	469
35°	905	897	886	876	874	565
45°	751	738	722	714	710	577
55°	566	558	542	531	522	504
65°	361	347	330	319	313	357
75°	157	152	151	150	149	168
85°	26	32	36	38	39	33
90°	0	0	0	0	0	



TEST NUMBER: P738455

CATALOG NUMBER: 24PT-30-PW1-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1130.4	1130.4	1130.4	1130.4	1130.4
2.5°	1134.9	1130.7	1129.4	1128.4	1131.3
5°	1132.3	1128.1	1126.8	1125.8	1129.1
7.5°	1126.8	1122.5	1121.2	1120.2	1122.9
10°	1118.6	1114.7	1113.4	1112.4	1115.3
12.5°	1108.1	1104.6	1102.9	1101.6	1104.9
15°	1095.1	1091.5	1089.2	1088.5	1090.5
17.5°	1079.4	1075.8	1074.2	1073.2	1075.5
20°	1061.1	1057.2	1054.9	1053.6	1055.5
22.5°	1040.8	1036.9	1034.0	1032.7	1033.3
25°	1018.0	1014.0	1012.1	1008.1	1008.1
27.5°	993.4	988.9	984.0	979.7	980.0
30°	965.0	959.8	953.9	948.3	948.0
32.5°	936.3	929.7	922.5	915.0	912.7
35°	904.6	897.0	886.3	876.5	873.8
37.5°	867.3	860.4	846.1	837.9	833.6
40°	830.4	820.6	805.9	796.4	792.5
42.5°	789.9	780.4	764.7	755.9	752.6
45°	751.3	738.5	722.2	714.0	710.4
47.5°	703.3	692.8	681.4	671.9	667.3
50°	658.8	650.3	636.6	626.1	623.2
52.5°	612.4	605.2	592.1	578.4	575.2
55°	566.3	558.5	542.1	530.7	522.5
57.5°	514.4	507.5	492.1	477.4	470.3
60°	466.7	454.9	437.9	421.9	415.4
62.5°	414.7	403.3	383.7	367.3	363.7
65°	361.1	347.4	329.7	318.9	312.7
67.5°	306.9	293.5	278.8	271.9	268.0
70°	253.3	242.5	231.4	226.5	222.9
72.5°	201.6	195.4	189.2	187.3	184.0
75°	156.9	152.3	151.0	150.0	149.0
77.5°	113.1	115.4	116.7	118.0	116.7
80°	76.8	81.7	86.6	89.2	89.2
82.5°	47.4	55.9	60.1	62.7	62.4
85°	25.8	32.0	36.3	37.6	38.6
87.5°	10.5	13.1	14.7	16.0	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)