

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: P738486

Luminaire Tested: **24PT-35-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738486
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-35-PR1-L950
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

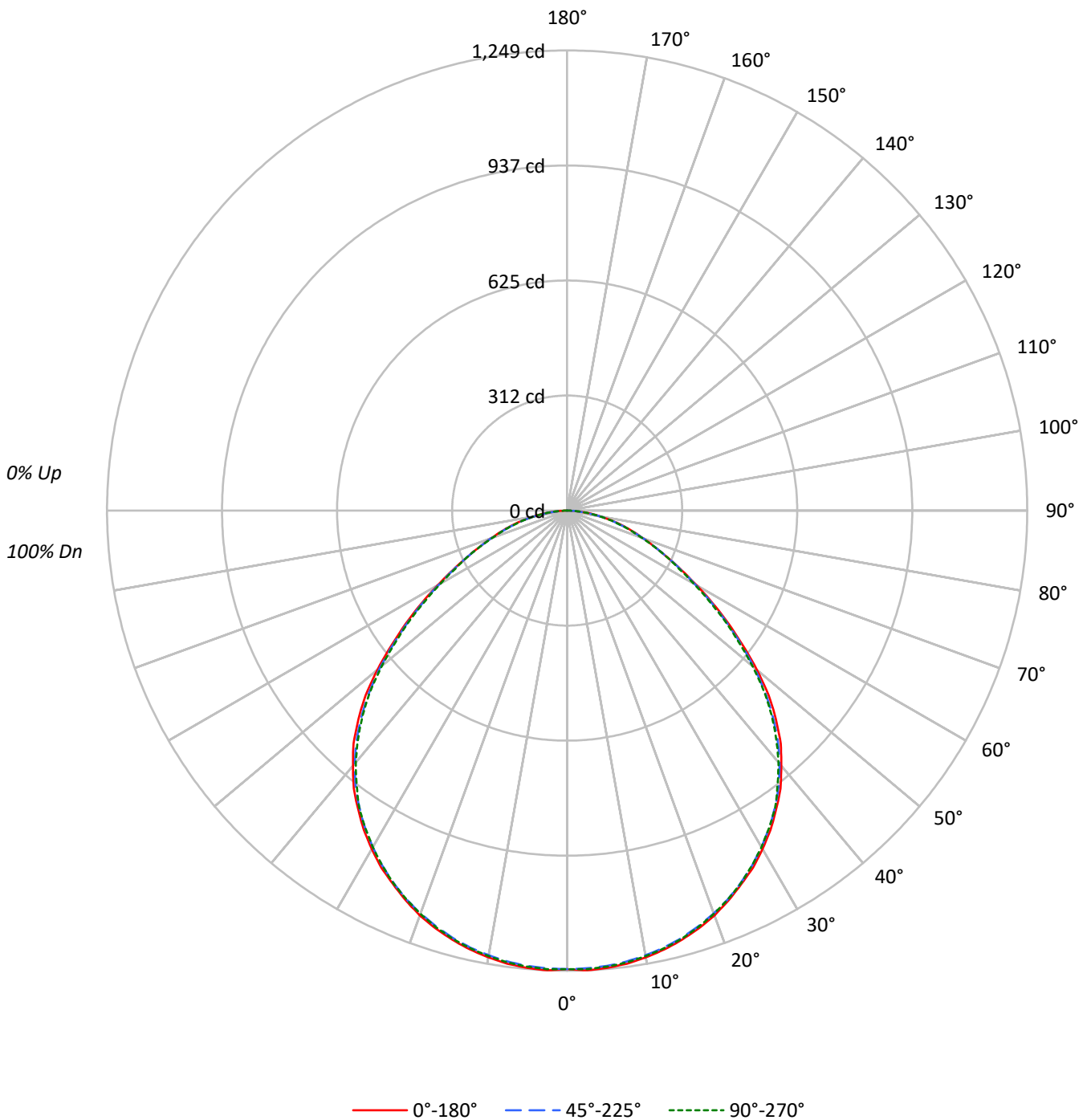
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3170.0 lumens
Efficiency: N/A
Efficacy: 112.4 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): 28.2
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	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°	1785	1785	1785
5°	1793	1786	1789
10°	1793	1784	1788
15°	1790	1782	1785
20°	1784	1775	1777
25°	1770	1764	1765
30°	1756	1746	1746
35°	1732	1721	1723
40°	1692	1678	1671
45°	1625	1599	1590
50°	1500	1478	1464
55°	1335	1316	1307
60°	1164	1151	1139
65°	1020	1021	1015
70°	918	915	902
75°	855	830	832
80°	763	749	749
85°	589	605	582



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.0	3.7
10°-20°	339.1	10.7
20°-30°	514.0	16.2
30°-40°	614.8	19.4
40°-50°	607.0	19.1
50°-60°	472.5	14.9
60°-70°	299.9	9.5
70°-80°	161.0	5.1
80°-90°	43.6	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°	971.1	30.6
0°-40°	1585.9	50.0
0°-60°	2665.5	84.1
0°-90°	3170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3170.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1245	1245	1245	1245	1245	
5°	1246	1242	1241	1240	1243	118
15°	1206	1202	1201	1199	1203	340
25°	1119	1116	1115	1113	1116	516
35°	989	987	983	980	984	619
45°	801	796	788	785	784	615
55°	534	531	526	523	523	478
65°	301	302	301	297	299	302
75°	154	152	150	149	150	163
85°	36	36	37	37	35	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1244.7	1244.7	1244.7	1244.7	1244.7
2.5°	1248.9	1244.7	1243.3	1242.6	1245.8
5°	1245.8	1241.9	1240.6	1239.9	1242.6
7.5°	1240.6	1236.0	1234.6	1234.0	1237.1
10°	1231.2	1227.0	1225.3	1225.3	1228.0
12.5°	1220.1	1216.6	1214.8	1213.5	1216.6
15°	1205.8	1201.6	1200.6	1199.2	1202.7
17.5°	1188.8	1184.6	1183.2	1182.5	1185.0
20°	1169.3	1164.1	1163.4	1163.1	1164.5
22.5°	1145.3	1142.6	1141.2	1140.5	1141.5
25°	1118.6	1116.5	1115.1	1113.0	1115.8
27.5°	1092.5	1089.7	1086.3	1084.5	1086.3
30°	1060.6	1057.1	1054.6	1054.0	1054.6
32.5°	1027.5	1024.1	1020.9	1020.6	1020.2
35°	989.3	987.2	983.4	980.3	984.5
37.5°	951.4	946.6	943.1	939.3	938.2
40°	904.2	902.4	896.5	893.1	892.7
42.5°	858.3	850.3	846.2	843.7	839.9
45°	801.3	795.8	788.5	784.6	784.3
47.5°	741.9	735.0	728.0	722.8	724.2
50°	672.4	669.3	662.7	658.2	656.4
52.5°	600.8	600.1	593.2	590.4	587.3
55°	534.1	531.3	526.5	523.0	523.0
57.5°	468.4	466.0	463.6	457.0	457.0
60°	405.9	405.5	401.4	397.5	397.2
62.5°	349.9	352.0	348.2	344.4	342.3
65°	300.6	301.6	300.9	297.1	299.2
67.5°	257.1	257.5	256.1	254.0	255.4
70°	218.9	220.7	218.2	216.8	215.1
72.5°	185.6	184.9	182.8	183.8	181.4
75°	154.3	151.9	149.8	149.4	150.1
77.5°	123.0	122.3	120.6	120.6	119.5
80°	92.4	91.7	90.7	91.0	90.7
82.5°	65.7	63.9	62.5	63.2	63.6
85°	35.8	36.5	36.8	36.8	35.4
87.5°	14.6	14.2	14.6	15.3	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)