

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: P738494

Luminaire Tested: **24PT-35-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738494
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-35-PW1-L950
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

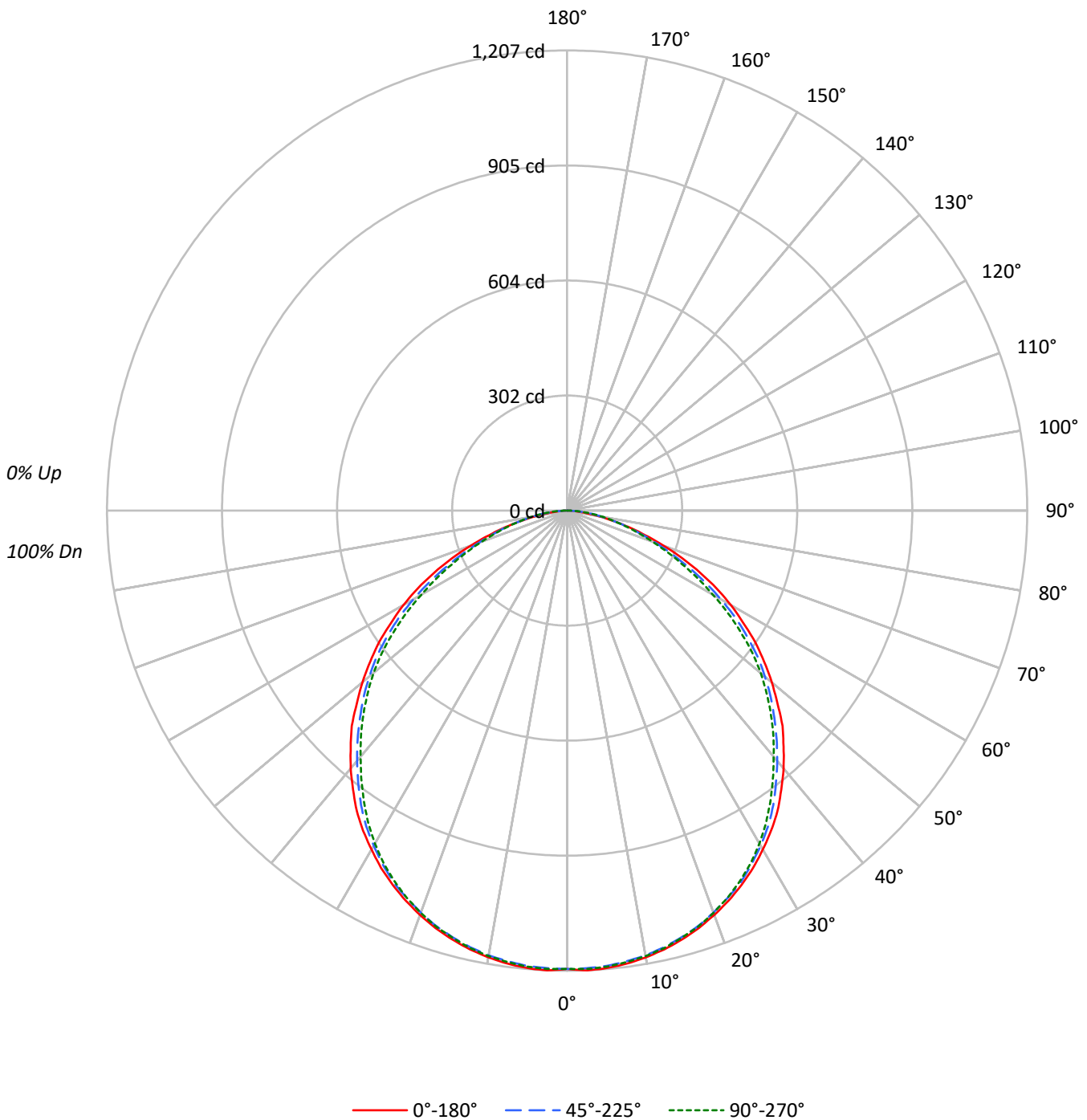
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3206.0 lumens
Efficiency: N/A
Efficacy: 113.7 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): 28.2
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	1724	1724	1724
5°	1734	1725	1729
10°	1732	1724	1727
15°	1729	1720	1722
20°	1722	1712	1713
25°	1713	1703	1697
30°	1700	1680	1670
35°	1684	1650	1627
40°	1653	1604	1578
45°	1620	1558	1532
50°	1563	1510	1479
55°	1506	1442	1389
60°	1424	1336	1267
65°	1303	1190	1129
70°	1129	1032	994
75°	925	890	878
80°	675	760	784
85°	452	635	675



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	3.6
10°-20°	327.4	10.2
20°-30°	495.5	15.5
30°-40°	589.5	18.4
40°-50°	595.5	18.6
50°-60°	515.3	16.1
60°-70°	352.0	11.0
70°-80°	173.5	5.4
80°-90°	43.3	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°	936.9	29.2
0°-40°	1526.4	47.6
0°-60°	2637.2	82.3
0°-90°	3206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3206.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1202	1202	1202	1202	1202	
5°	1204	1200	1199	1198	1201	114
15°	1165	1161	1159	1158	1160	329
25°	1083	1079	1076	1072	1072	499
35°	962	954	943	932	930	601
45°	799	786	768	760	756	614
55°	602	594	577	564	556	536
65°	384	370	351	339	333	379
75°	167	162	161	160	158	178
85°	28	34	39	40	41	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1202.4	1202.4	1202.4	1202.4	1202.4
2.5°	1207.2	1202.7	1201.3	1200.3	1203.4
5°	1204.5	1199.9	1198.6	1197.5	1201.0
7.5°	1198.6	1194.0	1192.6	1191.6	1194.4
10°	1189.9	1185.7	1184.3	1183.3	1186.4
12.5°	1178.7	1174.9	1173.2	1171.8	1175.3
15°	1164.8	1161.0	1158.6	1157.9	1160.0
17.5°	1148.1	1144.3	1142.6	1141.5	1144.0
20°	1128.7	1124.5	1122.1	1120.7	1122.8
22.5°	1107.1	1103.0	1099.8	1098.4	1099.1
25°	1082.8	1078.6	1076.5	1072.4	1072.4
27.5°	1056.7	1051.9	1046.6	1042.1	1042.5
30°	1026.5	1020.9	1014.7	1008.8	1008.4
32.5°	995.9	988.9	981.3	973.3	970.9
35°	962.2	954.2	942.7	932.3	929.5
37.5°	922.5	915.3	900.0	891.3	886.7
40°	883.3	872.8	857.2	847.1	842.9
42.5°	840.2	830.1	813.4	804.0	800.5
45°	799.1	785.6	768.2	759.5	755.7
47.5°	748.1	736.9	724.8	714.7	709.8
50°	700.8	691.7	677.1	666.0	662.9
52.5°	651.4	643.8	629.9	615.3	611.8
55°	602.4	594.1	576.7	564.5	555.8
57.5°	547.1	539.8	523.5	507.9	500.2
60°	496.4	483.9	465.8	448.8	441.8
62.5°	441.1	428.9	408.1	390.7	386.9
65°	384.1	369.5	350.7	339.3	332.7
67.5°	326.4	312.2	296.5	289.2	285.0
70°	269.4	257.9	246.1	240.9	237.1
72.5°	214.5	207.9	201.3	199.2	195.7
75°	166.9	162.0	160.6	159.6	158.5
77.5°	120.3	122.7	124.1	125.5	124.1
80°	81.7	86.9	92.1	94.9	94.9
82.5°	50.4	59.4	64.0	66.7	66.4
85°	27.5	34.1	38.6	40.0	41.0
87.5°	11.1	13.9	15.6	17.0	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)