

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: P738492

Luminaire Tested: **24PT-35-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738492
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-L935
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

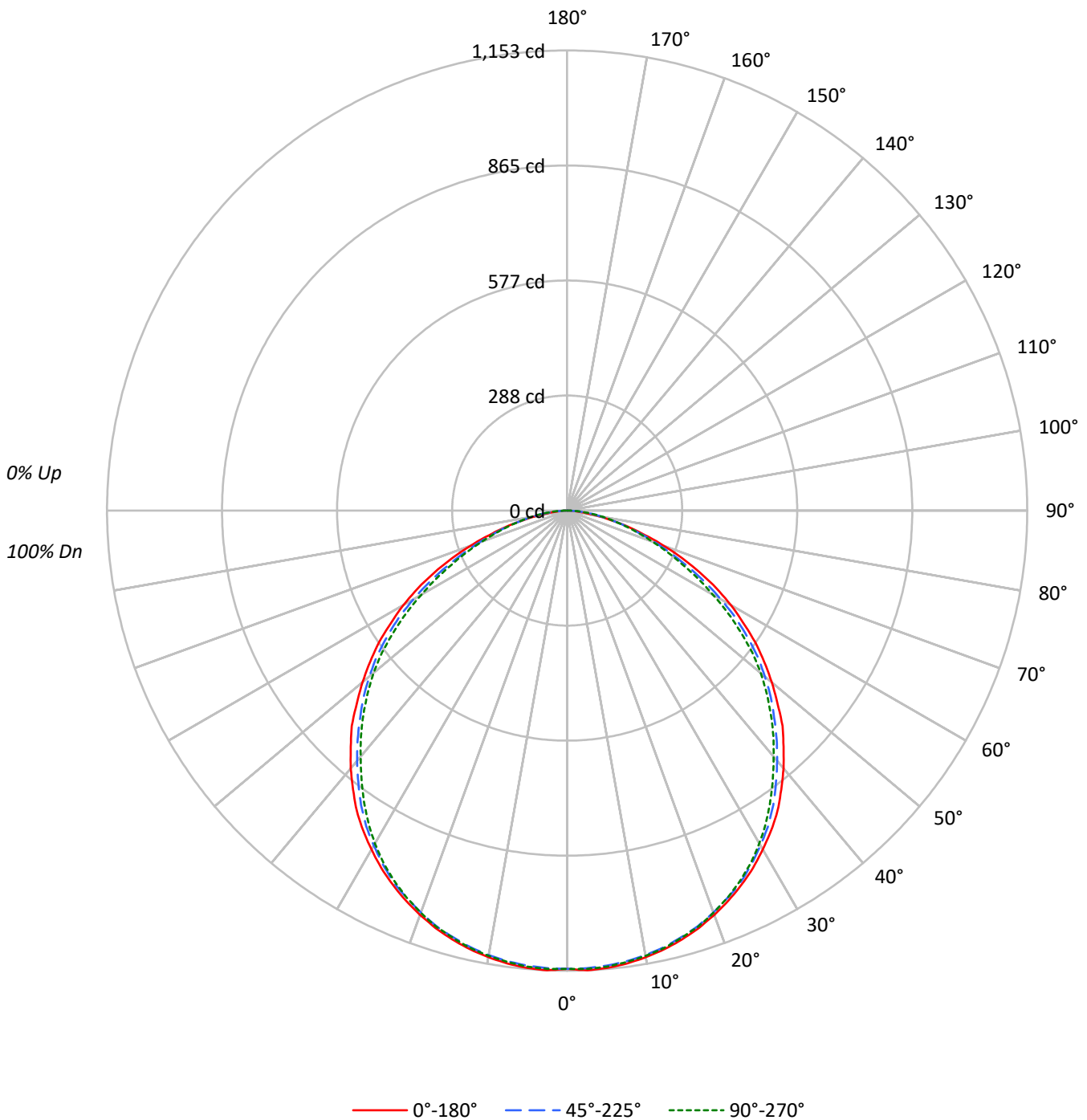
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3062.0 lumens
Efficiency: N/A
Efficacy: 108.6 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): 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°	1647	1647	1647
5°	1656	1648	1651
10°	1655	1647	1650
15°	1651	1643	1645
20°	1645	1635	1636
25°	1636	1627	1620
30°	1623	1605	1595
35°	1609	1576	1554
40°	1579	1532	1507
45°	1548	1488	1464
50°	1493	1443	1412
55°	1438	1377	1327
60°	1360	1276	1210
65°	1245	1137	1078
70°	1079	986	949
75°	883	850	839
80°	644	727	748
85°	431	607	645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	3.6
10°-20°	312.7	10.2
20°-30°	473.2	15.5
30°-40°	563.1	18.4
40°-50°	568.7	18.6
50°-60°	492.1	16.1
60°-70°	336.2	11.0
70°-80°	165.7	5.4
80°-90°	41.4	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°	894.8	29.2
0°-40°	1457.9	47.6
0°-60°	2518.7	82.3
0°-90°	3062.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3062.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1148	1148	1148	1148	1148	
5°	1150	1146	1145	1144	1147	109
15°	1112	1109	1106	1106	1108	314
25°	1034	1030	1028	1024	1024	477
35°	919	911	900	890	888	574
45°	763	750	734	725	722	586
55°	575	567	551	539	531	512
65°	367	353	335	324	318	362
75°	159	155	153	152	151	170
85°	26	32	37	38	39	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1148.4	1148.4	1148.4	1148.4	1148.4
2.5°	1153.0	1148.7	1147.4	1146.4	1149.4
5°	1150.4	1146.0	1144.7	1143.7	1147.0
7.5°	1144.7	1140.4	1139.1	1138.1	1140.7
10°	1136.4	1132.4	1131.1	1130.1	1133.1
12.5°	1125.8	1122.1	1120.5	1119.2	1122.5
15°	1112.5	1108.9	1106.5	1105.9	1107.9
17.5°	1096.6	1092.9	1091.3	1090.3	1092.6
20°	1078.0	1074.0	1071.7	1070.3	1072.3
22.5°	1057.4	1053.4	1050.4	1049.1	1049.8
25°	1034.2	1030.2	1028.2	1024.2	1024.2
27.5°	1009.3	1004.6	999.6	995.3	995.7
30°	980.4	975.1	969.1	963.4	963.1
32.5°	951.2	944.5	937.2	929.6	927.3
35°	919.0	911.3	900.4	890.4	887.8
37.5°	881.1	874.1	859.5	851.2	846.9
40°	843.6	833.6	818.7	809.1	805.1
42.5°	802.4	792.8	776.9	767.9	764.6
45°	763.3	750.3	733.7	725.4	721.8
47.5°	714.5	703.8	692.2	682.6	677.9
50°	669.3	660.7	646.7	636.1	633.1
52.5°	622.2	614.9	601.6	587.6	584.3
55°	575.3	567.4	550.8	539.2	530.9
57.5°	522.6	515.6	500.0	485.0	477.7
60°	474.1	462.1	444.9	428.6	422.0
62.5°	421.3	409.7	389.8	373.2	369.5
65°	366.9	352.9	335.0	324.0	317.7
67.5°	311.7	298.1	283.2	276.2	272.2
70°	257.3	246.3	235.1	230.1	226.4
72.5°	204.8	198.5	192.2	190.2	186.9
75°	159.4	154.7	153.4	152.4	151.4
77.5°	114.9	117.2	118.5	119.8	118.5
80°	78.0	83.0	88.0	90.6	90.6
82.5°	48.1	56.8	61.1	63.7	63.4
85°	26.2	32.5	36.9	38.2	39.2
87.5°	10.6	13.3	14.9	16.3	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)