

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: P738493

Luminaire Tested: **24PT-35-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738493
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-L940
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

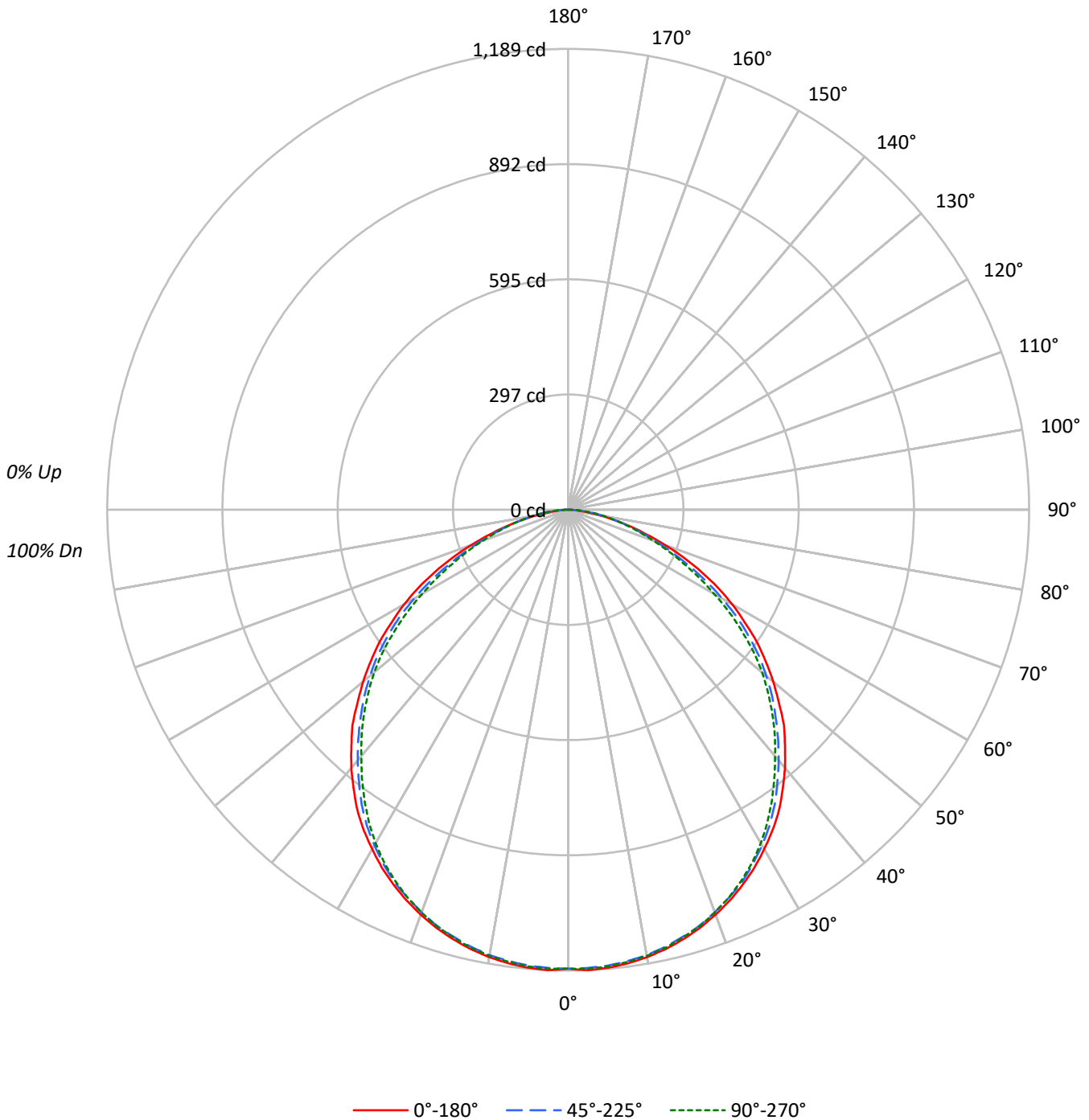
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3158.0 lumens
Efficiency: N/A
Efficacy: 112.0 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°	1698	1698	1698
5°	1708	1699	1703
10°	1706	1699	1701
15°	1703	1694	1696
20°	1696	1687	1688
25°	1687	1678	1671
30°	1674	1655	1645
35°	1659	1625	1603
40°	1628	1581	1554
45°	1596	1534	1509
50°	1540	1488	1457
55°	1483	1420	1369
60°	1402	1316	1248
65°	1284	1172	1112
70°	1113	1016	979
75°	911	876	865
80°	665	749	772
85°	444	625	665



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.3	3.6
10°-20°	322.5	10.2
20°-30°	488.0	15.5
30°-40°	580.7	18.4
40°-50°	586.6	18.6
50°-60°	507.6	16.1
60°-70°	346.7	11.0
70°-80°	170.9	5.4
80°-90°	42.7	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°	922.9	29.2
0°-40°	1503.6	47.6
0°-60°	2597.7	82.3
0°-90°	3158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3158.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1184	1184	1184	1184	1184	
5°	1186	1182	1181	1180	1183	113
15°	1147	1144	1141	1140	1143	324
25°	1067	1062	1060	1056	1056	492
35°	948	940	929	918	916	592
45°	787	774	757	748	744	604
55°	593	585	568	556	548	528
65°	378	364	346	334	328	374
75°	164	160	158	157	156	176
85°	27	34	38	39	40	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1184.4	1184.4	1184.4	1184.4	1184.4
2.5°	1189.2	1184.7	1183.3	1182.3	1185.4
5°	1186.4	1182.0	1180.6	1179.6	1183.0
7.5°	1180.6	1176.2	1174.8	1173.8	1176.5
10°	1172.0	1167.9	1166.6	1165.5	1168.6
12.5°	1161.1	1157.3	1155.6	1154.2	1157.7
15°	1147.4	1143.6	1141.2	1140.5	1142.6
17.5°	1131.0	1127.2	1125.5	1124.5	1126.8
20°	1111.8	1107.7	1105.3	1103.9	1106.0
22.5°	1090.6	1086.4	1083.4	1082.0	1082.7
25°	1066.6	1062.5	1060.4	1056.3	1056.3
27.5°	1040.9	1036.1	1031.0	1026.5	1026.9
30°	1011.1	1005.6	999.5	993.7	993.3
32.5°	981.0	974.1	966.6	958.7	956.3
35°	947.8	939.9	928.6	918.3	915.6
37.5°	908.7	901.5	886.5	877.9	873.5
40°	870.0	859.8	844.4	834.4	830.3
42.5°	827.6	817.7	801.2	792.0	788.6
45°	787.2	773.8	756.7	748.2	744.4
47.5°	736.9	725.9	713.9	704.0	699.2
50°	690.3	681.4	667.0	656.0	653.0
52.5°	641.7	634.1	620.4	606.1	602.6
55°	593.4	585.2	568.0	556.1	547.5
57.5°	538.9	531.8	515.7	500.3	492.7
60°	489.0	476.6	458.8	442.0	435.2
62.5°	434.5	422.5	402.0	384.9	381.1
65°	378.4	364.0	345.5	334.2	327.7
67.5°	321.5	307.5	292.1	284.9	280.8
70°	265.4	254.1	242.4	237.3	233.5
72.5°	211.3	204.8	198.3	196.2	192.8
75°	164.4	159.6	158.2	157.2	156.1
77.5°	118.5	120.9	122.2	123.6	122.2
80°	80.5	85.6	90.7	93.5	93.5
82.5°	49.6	58.6	63.0	65.7	65.4
85°	27.0	33.6	38.0	39.4	40.4
87.5°	11.0	13.7	15.4	16.8	17.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)