

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: P738525

Luminaire Tested: **24PT-40-PW1-L940**

Issue Date: 2/8/2024



**Test Information**

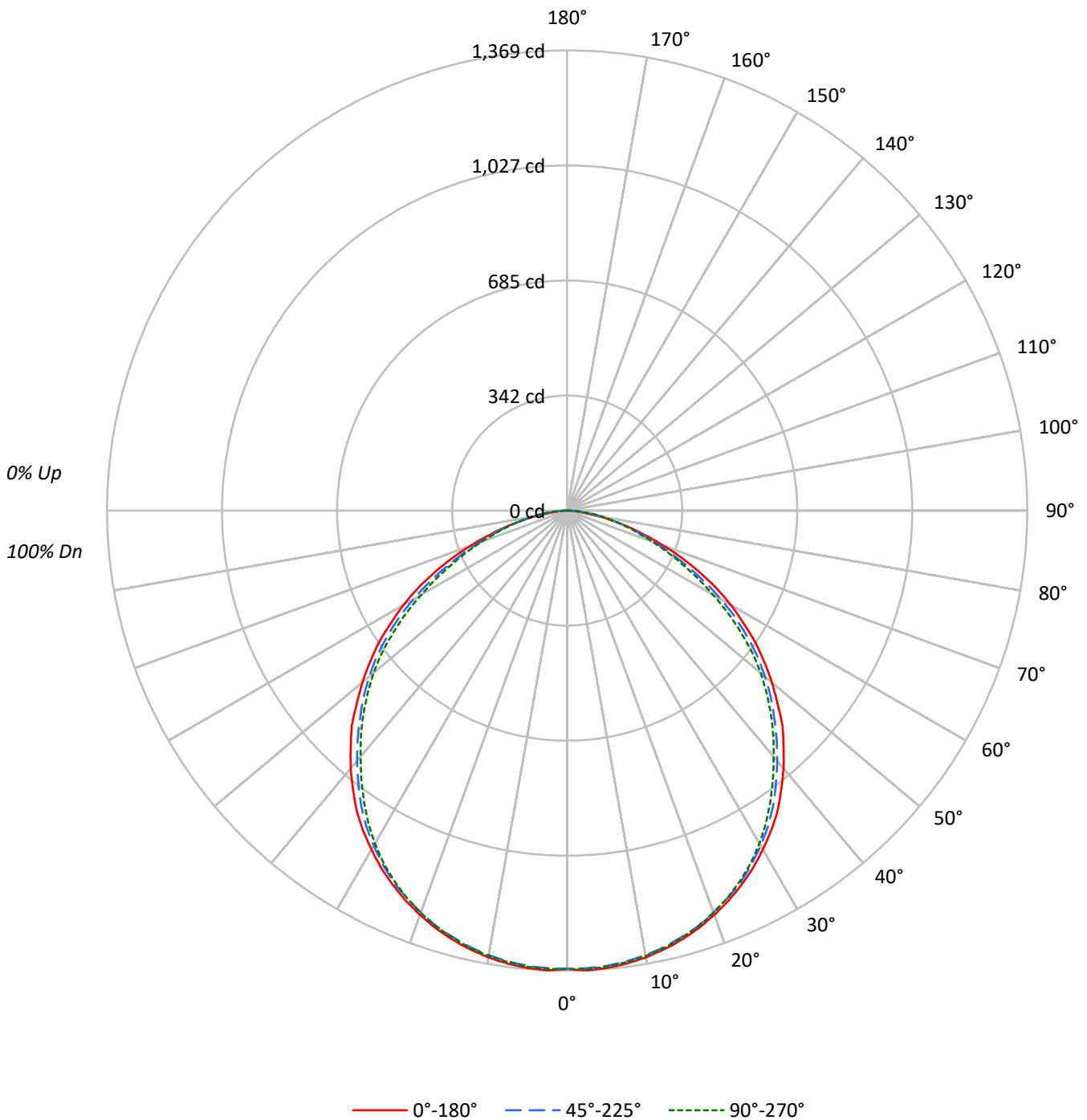
Test Method: LM-79-08  
Report Number: P738525  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-40-PW1-L940  
Description: 4000 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: 3636.0 lumens  
Efficiency: N/A  
Efficacy: 111.2 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): 32.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	1955	1955	1955
5°	1966	1956	1961
10°	1965	1956	1959
15°	1961	1951	1953
20°	1953	1942	1943
25°	1943	1932	1924
30°	1928	1905	1894
35°	1910	1872	1845
40°	1875	1820	1789
45°	1838	1767	1738
50°	1773	1713	1677
55°	1708	1635	1576
60°	1615	1515	1437
65°	1478	1350	1280
70°	1281	1170	1127
75°	1048	1009	996
80°	765	863	888
85°	512	721	765



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.3	3.6
10°-20°	371.3	10.2
20°-30°	561.9	15.5
30°-40°	668.6	18.4
40°-50°	675.4	18.6
50°-60°	584.4	16.1
60°-70°	399.2	11.0
70°-80°	196.7	5.4
80°-90°	49.2	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°	1062.5	29.2
0°-40°	1731.2	47.6
0°-60°	2990.9	82.3
0°-90°	3636.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3636.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1364	1364	1364	1364	1364	
5°	1366	1361	1359	1358	1362	130
15°	1321	1317	1314	1313	1316	373
25°	1228	1223	1221	1216	1216	566
35°	1091	1082	1069	1057	1054	681
45°	906	891	871	861	857	696
55°	683	674	654	640	630	608
65°	436	419	398	385	377	430
75°	189	184	182	181	180	202
85°	31	39	44	45	46	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1363.6	1363.6	1363.6	1363.6	1363.6
2.5°	1369.2	1364.0	1362.5	1361.3	1364.8
5°	1366.0	1360.9	1359.3	1358.1	1362.1
7.5°	1359.3	1354.2	1352.6	1351.4	1354.6
10°	1349.4	1344.7	1343.1	1342.0	1345.5
12.5°	1336.8	1332.5	1330.5	1328.9	1332.9
15°	1321.1	1316.7	1314.0	1313.2	1315.5
17.5°	1302.1	1297.8	1295.8	1294.7	1297.4
20°	1280.1	1275.3	1272.6	1271.0	1273.4
22.5°	1255.6	1250.9	1247.3	1245.8	1246.6
25°	1228.0	1223.3	1220.9	1216.2	1216.2
27.5°	1198.5	1192.9	1187.0	1181.9	1182.3
30°	1164.2	1157.9	1150.8	1144.1	1143.7
32.5°	1129.5	1121.6	1112.9	1103.8	1101.1
35°	1091.2	1082.2	1069.2	1057.3	1054.2
37.5°	1046.3	1038.0	1020.7	1010.8	1005.7
40°	1001.7	989.9	972.2	960.7	956.0
42.5°	952.9	941.4	922.5	911.9	907.9
45°	906.3	891.0	871.2	861.4	857.1
47.5°	848.4	835.8	822.0	810.5	805.0
50°	794.8	784.5	768.0	755.3	751.8
52.5°	738.8	730.1	714.3	697.8	693.8
55°	683.2	673.7	654.0	640.2	630.4
57.5°	620.5	612.2	593.7	576.0	567.3
60°	563.0	548.8	528.3	509.0	501.1
62.5°	500.3	486.5	462.8	443.1	438.8
65°	435.6	419.1	397.8	384.8	377.3
67.5°	370.2	354.0	336.3	328.0	323.3
70°	305.5	292.5	279.1	273.2	268.9
72.5°	243.2	235.7	228.3	225.9	222.0
75°	189.2	183.7	182.1	181.0	179.8
77.5°	136.4	139.2	140.7	142.3	140.7
80°	92.6	98.6	104.5	107.6	107.6
82.5°	57.2	67.4	72.5	75.7	75.3
85°	31.1	38.6	43.8	45.3	46.5
87.5°	12.6	15.8	17.7	19.3	20.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)