

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: P738519

Luminaire Tested: **24PT-40-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738519
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-L830
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

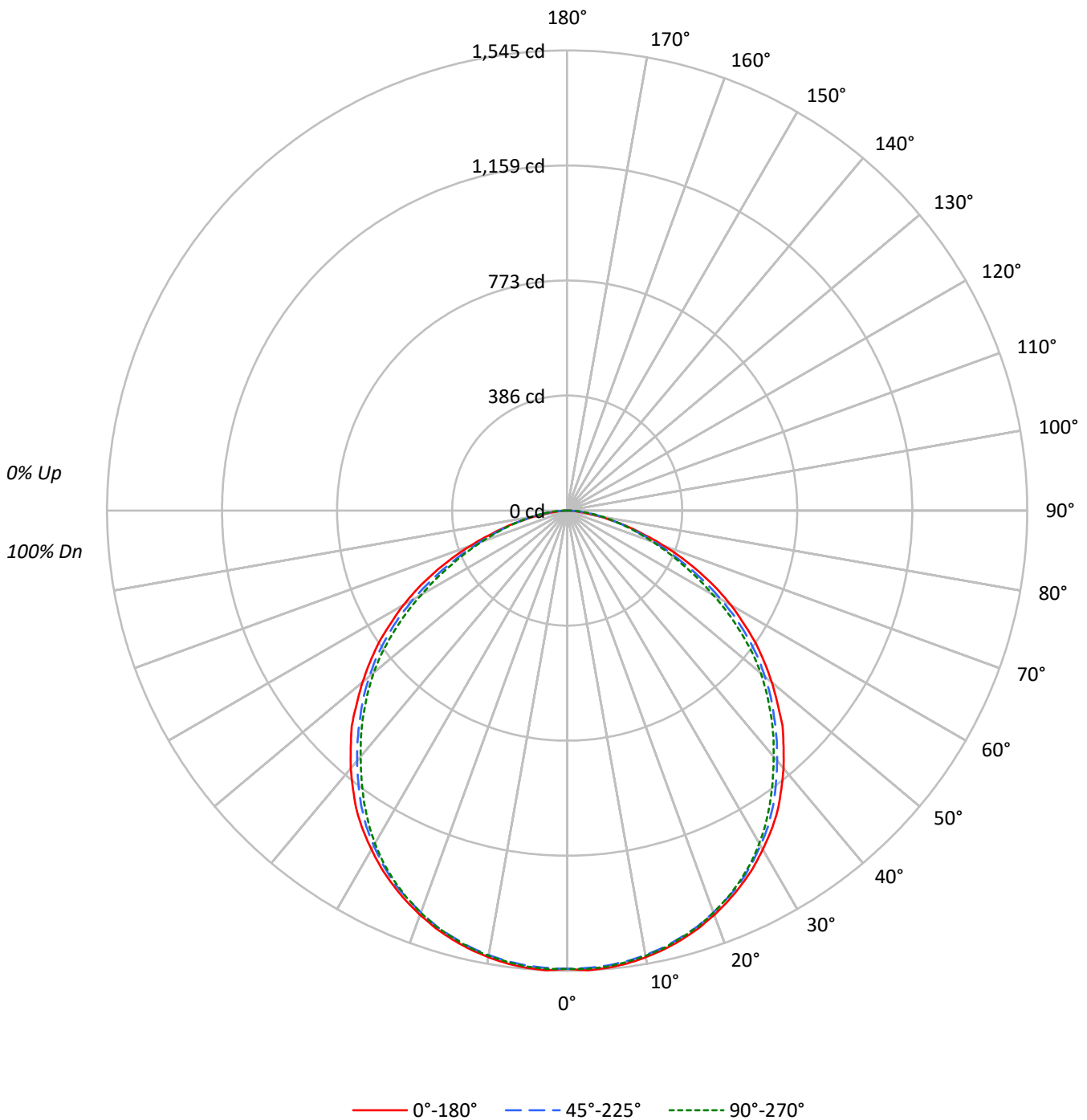
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4103.0 lumens
Efficiency: N/A
Efficacy: 125.5 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_{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°	2206	2206	2206
5°	2219	2208	2212
10°	2217	2207	2211
15°	2213	2201	2204
20°	2204	2191	2193
25°	2192	2180	2171
30°	2175	2150	2137
35°	2155	2112	2082
40°	2116	2053	2019
45°	2074	1994	1961
50°	2000	1933	1893
55°	1927	1845	1778
60°	1822	1709	1621
65°	1668	1523	1444
70°	1446	1321	1272
75°	1183	1138	1124
80°	863	974	1002
85°	577	813	864



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	3.6
10°-20°	419.0	10.2
20°-30°	634.1	15.5
30°-40°	754.5	18.4
40°-50°	762.1	18.6
50°-60°	659.4	16.1
60°-70°	450.5	11.0
70°-80°	222.0	5.4
80°-90°	55.5	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°	1199.0	29.2
0°-40°	1953.5	47.6
0°-60°	3375.0	82.3
0°-90°	4103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4103.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1539	1539	1539	1539	1539	
5°	1542	1536	1534	1533	1537	147
15°	1491	1486	1483	1482	1484	421
25°	1386	1380	1378	1372	1372	639
35°	1231	1221	1206	1193	1190	769
45°	1023	1005	983	972	967	785
55°	771	760	738	722	711	687
65°	492	473	449	434	426	485
75°	214	207	206	204	203	228
85°	35	44	49	51	52	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1538.8	1538.8	1538.8	1538.8	1538.8
2.5°	1545.0	1539.2	1537.4	1536.1	1540.1
5°	1541.5	1535.7	1533.9	1532.6	1537.0
7.5°	1533.9	1528.1	1526.3	1525.0	1528.6
10°	1522.8	1517.4	1515.7	1514.3	1518.3
12.5°	1508.5	1503.6	1501.4	1499.6	1504.1
15°	1490.7	1485.8	1482.7	1481.8	1484.5
17.5°	1469.4	1464.5	1462.3	1460.9	1464.0
20°	1444.5	1439.1	1436.0	1434.2	1436.9
22.5°	1416.9	1411.6	1407.5	1405.8	1406.7
25°	1385.8	1380.4	1377.7	1372.4	1372.4
27.5°	1352.4	1346.2	1339.5	1333.7	1334.1
30°	1313.7	1306.6	1298.6	1291.0	1290.5
32.5°	1274.5	1265.6	1255.9	1245.6	1242.5
35°	1231.4	1221.2	1206.5	1193.1	1189.6
37.5°	1180.7	1171.3	1151.8	1140.6	1134.8
40°	1130.4	1117.1	1097.0	1084.1	1078.8
42.5°	1075.2	1062.3	1041.0	1029.0	1024.5
45°	1022.7	1005.4	983.1	972.0	967.1
47.5°	957.3	943.1	927.5	914.6	908.4
50°	896.8	885.3	866.6	852.4	848.4
52.5°	833.7	823.9	806.1	787.4	783.0
55°	770.9	760.3	738.0	722.5	711.3
57.5°	700.2	690.9	670.0	649.9	640.2
60°	635.3	619.3	596.1	574.3	565.4
62.5°	564.5	549.0	522.3	500.0	495.1
65°	491.6	472.9	448.9	434.2	425.7
67.5°	417.7	399.5	379.5	370.1	364.8
70°	344.8	330.1	315.0	308.3	303.4
72.5°	274.5	266.0	257.6	254.9	250.5
75°	213.5	207.3	205.5	204.2	202.9
77.5°	153.9	157.0	158.8	160.6	158.8
80°	104.5	111.2	117.9	121.4	121.4
82.5°	64.5	76.1	81.9	85.4	85.0
85°	35.1	43.6	49.4	51.2	52.5
87.5°	14.2	17.8	20.0	21.8	22.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)