

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: P738471

Luminaire Tested: **24PT-35-PL1-L830**

Issue Date: 2/8/2024



**Test Information**

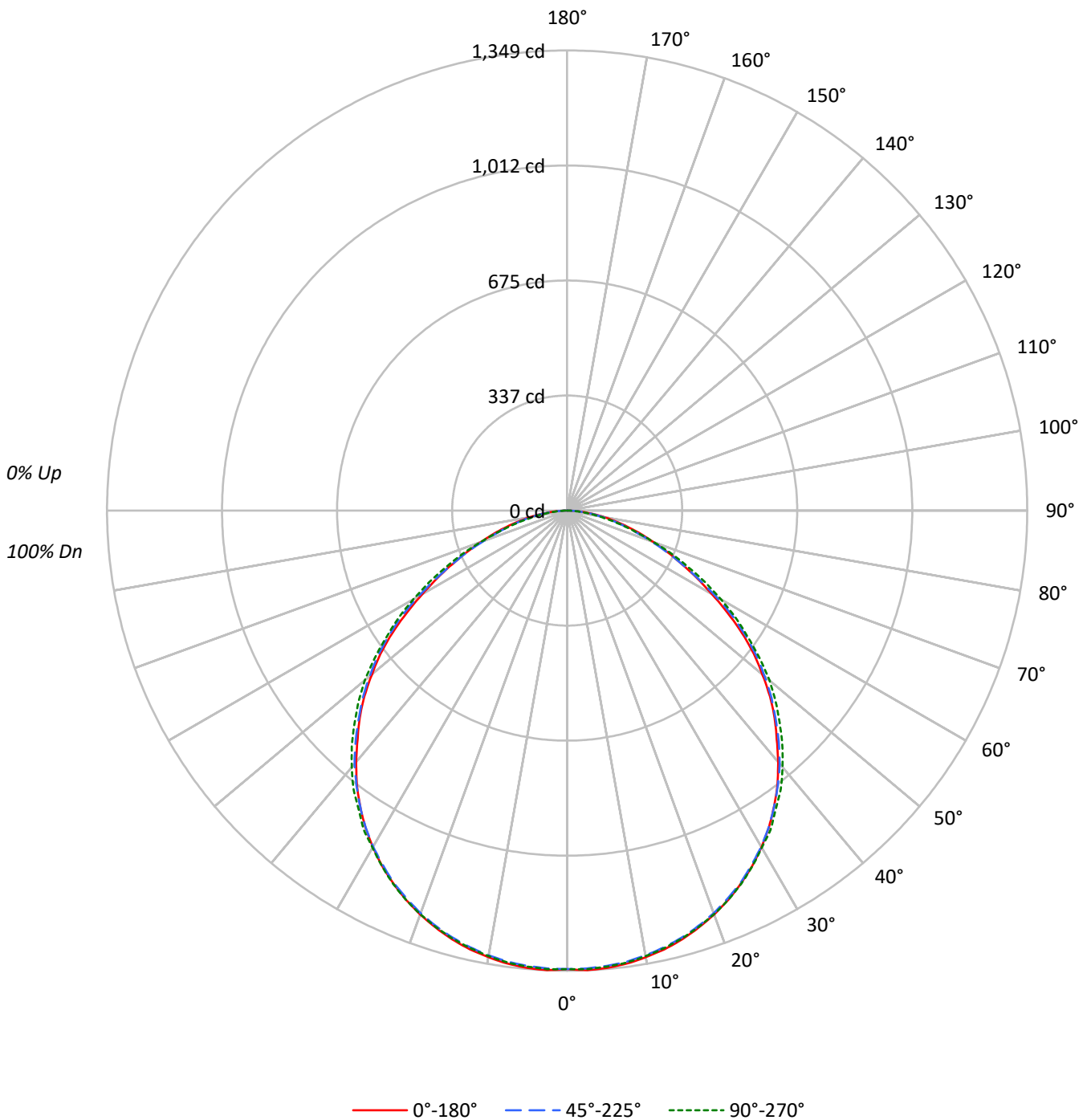
Test Method: LM-79-08  
Report Number: P738471  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-35-PL1-L830  
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3558.0 lumens  
Efficiency: N/A  
Efficacy: 126.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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<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

TEST NUMBER: P738471  
CATALOG NUMBER: 24PT-35-PL1-L830

### Luminous Intensity Polar Plot





TEST NUMBER: P738471

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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	96	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1927	1927	1927
5°	1937	1929	1931
10°	1936	1928	1931
15°	1932	1924	1928
20°	1923	1917	1921
25°	1908	1904	1910
30°	1886	1883	1890
35°	1852	1852	1867
40°	1801	1814	1839
45°	1745	1753	1787
50°	1667	1686	1726
55°	1565	1594	1618
60°	1405	1439	1492
65°	1257	1260	1328
70°	1121	1090	1129
75°	1013	952	935
80°	900	839	740
85°	737	699	579



TEST NUMBER: P738471

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.5	3.6
10°-20°	366.1	10.3
20°-30°	554.7	15.6
30°-40°	662.8	18.6
40°-50°	668.7	18.8
50°-60°	567.3	15.9
60°-70°	375.3	10.5
70°-80°	186.3	5.2
80°-90°	49.3	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°	1048.3	29.5
0°-40°	1711.1	48.1
0°-60°	2947.1	82.8
0°-90°	3558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3558.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1344	1344	1344	1344	1344	
5°	1346	1341	1340	1339	1342	128
15°	1302	1297	1296	1296	1299	367
25°	1206	1204	1204	1203	1207	556
35°	1058	1056	1058	1064	1066	661
45°	860	859	864	876	881	662
55°	626	628	638	643	647	557
65°	370	370	371	383	391	370
75°	183	178	172	166	169	196
85°	45	45	42	39	35	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1344.2	1344.2	1344.2	1344.2	1344.2
2.5°	1348.8	1344.6	1343.4	1342.7	1345.7
5°	1345.7	1341.1	1339.9	1339.2	1341.9
7.5°	1339.6	1334.5	1333.8	1333.0	1336.5
10°	1329.5	1324.9	1324.1	1323.3	1326.4
12.5°	1317.5	1312.9	1311.4	1311.7	1313.7
15°	1301.7	1297.4	1296.3	1296.3	1299.0
17.5°	1282.0	1278.1	1277.4	1277.0	1280.4
20°	1260.0	1256.1	1256.1	1257.3	1259.2
22.5°	1234.9	1232.1	1230.6	1231.4	1235.2
25°	1206.3	1203.6	1203.6	1203.2	1207.4
27.5°	1174.6	1171.1	1171.1	1174.2	1175.7
30°	1139.0	1135.9	1137.5	1139.8	1141.4
32.5°	1100.8	1098.8	1100.0	1103.5	1109.7
35°	1057.9	1056.3	1058.3	1064.1	1066.4
37.5°	1013.1	1011.9	1014.6	1022.3	1028.9
40°	962.1	962.1	969.4	976.4	982.6
42.5°	909.1	912.6	918.0	928.8	934.3
45°	860.5	859.3	864.3	875.9	881.3
47.5°	806.4	805.2	812.5	820.7	829.5
50°	747.2	746.9	755.7	762.7	773.9
52.5°	689.7	693.2	699.0	705.1	711.7
55°	625.9	627.5	637.5	643.3	647.2
57.5°	557.2	562.2	574.5	583.0	586.5
60°	489.9	493.0	501.9	517.0	520.4
62.5°	428.9	430.0	435.4	452.4	457.1
65°	370.5	369.8	371.3	382.9	391.4
67.5°	317.6	314.5	314.5	320.7	331.1
70°	267.4	262.7	260.0	262.0	269.3
72.5°	225.3	219.1	212.1	211.0	215.6
75°	182.8	177.7	171.9	166.5	168.8
77.5°	145.7	141.4	136.0	129.8	126.7
80°	109.0	107.4	101.6	95.8	89.6
82.5°	76.1	75.0	71.1	66.5	62.6
85°	44.8	44.8	42.5	39.0	35.2
87.5°	20.1	19.3	20.1	17.0	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)