

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: P738466

Luminaire Tested: **24PT-35-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-35-PC3-L850
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

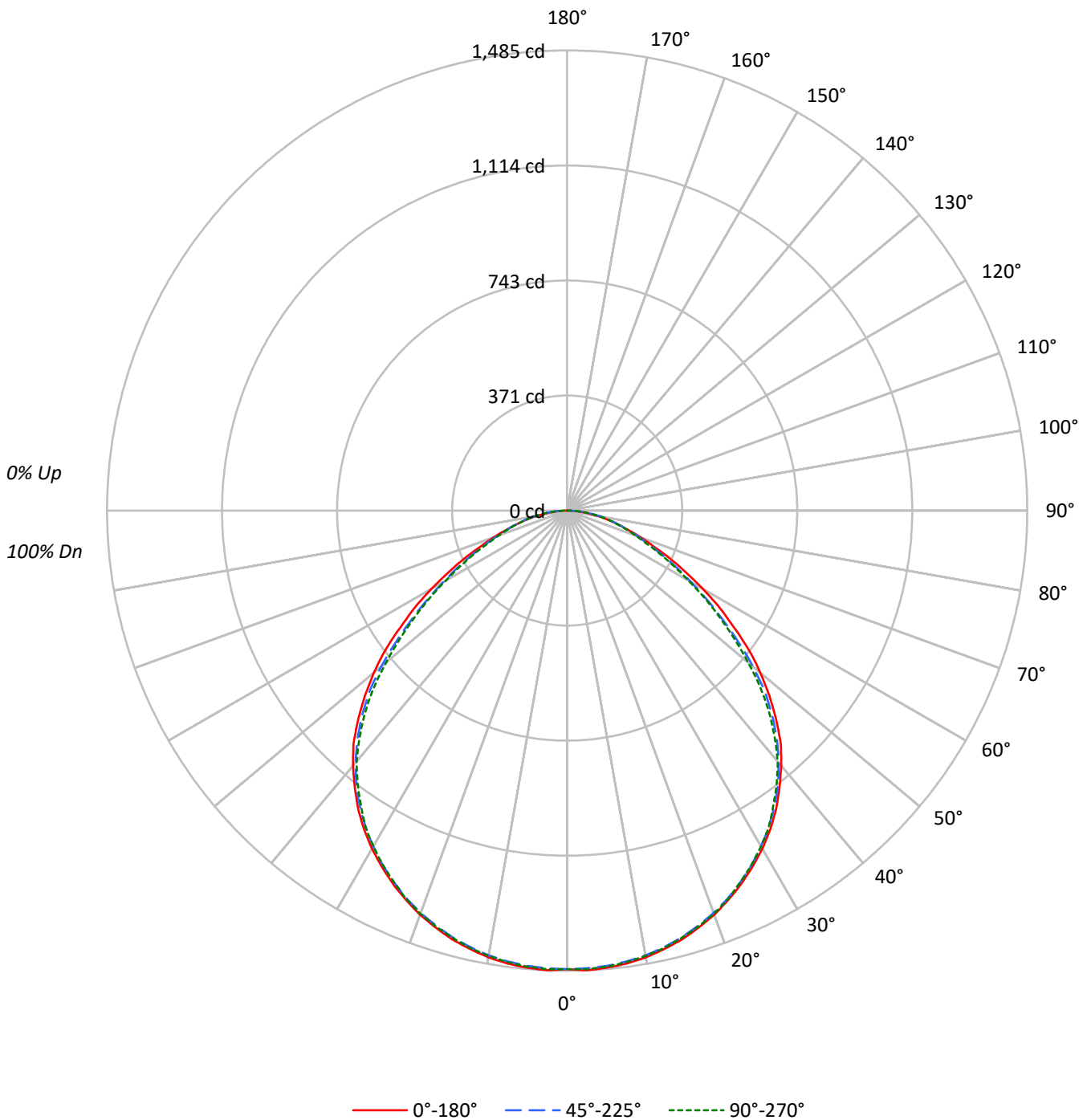
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3733.0 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2122	2122	2122
5°	2131	2122	2126
10°	2131	2122	2125
15°	2126	2117	2119
20°	2118	2108	2112
25°	2104	2093	2092
30°	2085	2072	2071
35°	2058	2041	2032
40°	2011	1987	1978
45°	1933	1898	1871
50°	1816	1746	1700
55°	1641	1530	1501
60°	1452	1324	1298
65°	1241	1147	1118
70°	1051	1007	977
75°	922	938	906
80°	827	912	860
85°	698	834	793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	3.8
10°-20°	402.8	10.8
20°-30°	610.1	16.3
30°-40°	728.7	19.5
40°-50°	718.9	19.3
50°-60°	556.5	14.9
60°-70°	342.1	9.2
70°-80°	179.2	4.8
80°-90°	54.3	1.5
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°	1153.2	30.9
0°-40°	1882.0	50.4
0°-60°	3157.4	84.6
0°-90°	3733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3733.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1480	1480	1480	1480	1480	
5°	1481	1476	1475	1474	1477	141
15°	1432	1428	1426	1425	1428	404
25°	1330	1326	1323	1322	1323	613
35°	1176	1170	1166	1162	1161	734
45°	954	946	936	926	923	734
55°	657	639	612	603	600	589
65°	366	349	338	328	330	365
75°	166	168	169	166	164	179
85°	42	47	51	49	48	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1479.9	1479.9	1479.9	1479.9	1479.9
2.5°	1484.9	1480.3	1478.3	1477.9	1481.2
5°	1480.7	1476.2	1474.6	1473.7	1477.4
7.5°	1474.1	1469.2	1467.6	1466.3	1469.6
10°	1463.9	1458.9	1457.3	1456.4	1459.3
12.5°	1449.0	1444.5	1443.3	1442.0	1445.7
15°	1432.5	1428.0	1426.0	1424.7	1427.6
17.5°	1411.1	1407.4	1405.0	1405.0	1407.4
20°	1388.1	1383.5	1381.5	1380.2	1384.4
22.5°	1359.6	1356.8	1354.3	1352.2	1356.8
25°	1329.6	1325.5	1323.0	1322.2	1322.6
27.5°	1295.4	1292.5	1289.2	1288.0	1288.8
30°	1259.6	1255.8	1251.3	1248.8	1250.9
32.5°	1219.6	1214.2	1210.5	1208.1	1211.0
35°	1175.5	1170.2	1166.1	1162.3	1160.7
37.5°	1125.3	1123.6	1117.9	1111.3	1110.9
40°	1074.6	1070.1	1061.8	1059.0	1056.9
42.5°	1020.2	1010.8	1002.1	993.9	991.0
45°	953.5	946.5	935.8	925.9	922.6
47.5°	885.1	876.1	865.8	848.5	846.4
50°	813.9	800.7	782.6	768.2	762.0
52.5°	739.8	722.0	696.9	684.6	681.3
55°	656.6	638.8	612.1	603.0	600.5
57.5°	582.4	556.5	534.6	524.3	527.6
60°	506.2	481.1	461.7	451.8	452.7
62.5°	431.7	411.9	397.5	388.0	389.2
65°	365.8	348.9	338.2	328.3	329.5
67.5°	301.1	293.3	285.4	279.7	276.4
70°	250.8	247.5	240.1	234.8	233.1
72.5°	205.1	207.2	201.0	199.4	198.9
75°	166.4	168.1	169.3	166.0	163.5
77.5°	133.0	135.5	140.5	135.9	135.1
80°	100.1	105.0	110.4	107.5	104.2
82.5°	70.0	76.2	81.1	77.4	75.8
85°	42.4	47.4	50.7	49.4	48.2
87.5°	18.9	20.6	22.2	22.7	21.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)