

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: P738465

Luminaire Tested: **24PT-35-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738465
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-L840
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

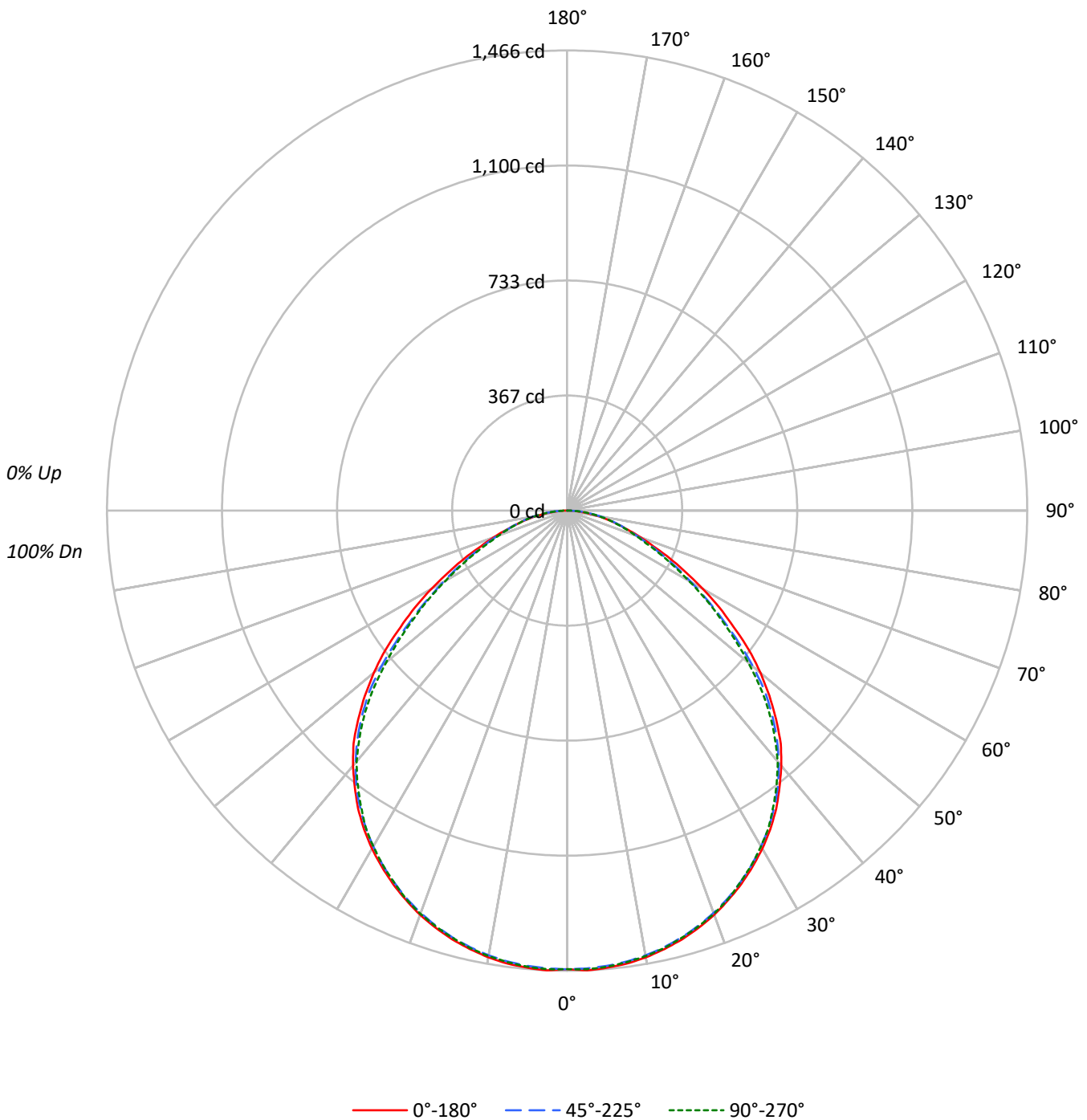
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3686.0 lumens
Efficiency: N/A
Efficacy: 130.7 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

TEST NUMBER: P738465
CATALOG NUMBER: 24PT-35-PC3-L840

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°	2095	2095	2095
5°	2104	2096	2100
10°	2104	2095	2098
15°	2100	2090	2092
20°	2091	2081	2086
25°	2077	2067	2066
30°	2059	2046	2045
35°	2032	2015	2006
40°	1986	1963	1953
45°	1909	1874	1847
50°	1793	1724	1678
55°	1621	1511	1482
60°	1433	1307	1282
65°	1225	1133	1104
70°	1038	994	965
75°	910	926	895
80°	816	900	850
85°	689	823	783



TEST NUMBER: P738465

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.6	3.8
10°-20°	397.7	10.8
20°-30°	602.4	16.3
30°-40°	719.6	19.5
40°-50°	709.8	19.3
50°-60°	549.5	14.9
60°-70°	337.8	9.2
70°-80°	177.0	4.8
80°-90°	53.6	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°	1138.7	30.9
0°-40°	1858.3	50.4
0°-60°	3117.6	84.6
0°-90°	3686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3686.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1461	1461	1461	1461	1461	
5°	1462	1458	1456	1455	1459	139
15°	1414	1410	1408	1407	1410	399
25°	1313	1309	1306	1306	1306	605
35°	1161	1155	1151	1148	1146	725
45°	942	935	924	914	911	724
55°	648	631	604	595	593	582
65°	361	344	334	324	325	360
75°	164	166	167	164	162	177
85°	42	47	50	49	48	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1461.3	1461.3	1461.3	1461.3	1461.3
2.5°	1466.2	1461.7	1459.7	1459.2	1462.5
5°	1462.1	1457.6	1456.0	1455.2	1458.8
7.5°	1455.6	1450.7	1449.1	1447.9	1451.1
10°	1445.4	1440.5	1438.9	1438.1	1440.9
12.5°	1430.8	1426.3	1425.1	1423.9	1427.5
15°	1414.5	1410.0	1408.0	1406.8	1409.6
17.5°	1393.4	1389.7	1387.3	1387.3	1389.7
20°	1370.6	1366.1	1364.1	1362.9	1366.9
22.5°	1342.5	1339.7	1337.2	1335.2	1339.7
25°	1312.8	1308.8	1306.3	1305.5	1305.9
27.5°	1279.1	1276.2	1273.0	1271.8	1272.6
30°	1243.7	1240.0	1235.6	1233.1	1235.2
32.5°	1204.2	1199.0	1195.3	1192.9	1195.7
35°	1160.7	1155.4	1151.4	1147.7	1146.1
37.5°	1111.1	1109.5	1103.8	1097.3	1096.9
40°	1061.1	1056.6	1048.5	1045.6	1043.6
42.5°	1007.4	998.0	989.5	981.4	978.5
45°	941.5	934.6	924.0	914.3	911.0
47.5°	874.0	865.1	854.9	837.8	835.8
50°	803.6	790.6	772.7	758.5	752.4
52.5°	730.4	712.9	688.1	675.9	672.7
55°	648.3	630.8	604.4	595.4	593.0
57.5°	575.1	549.5	527.9	517.7	521.0
60°	499.8	475.0	455.9	446.2	447.0
62.5°	426.2	406.7	392.5	383.1	384.3
65°	361.2	344.5	333.9	324.1	325.4
67.5°	297.3	289.6	281.8	276.2	272.9
70°	247.7	244.4	237.1	231.8	230.2
72.5°	202.5	204.6	198.5	196.8	196.4
75°	164.3	165.9	167.2	163.9	161.5
77.5°	131.4	133.8	138.7	134.2	133.4
80°	98.8	103.7	109.0	106.1	102.9
82.5°	69.1	75.2	80.1	76.5	74.8
85°	41.9	46.8	50.0	48.8	47.6
87.5°	18.7	20.3	22.0	22.4	21.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)