

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: P738474

Luminaire Tested: **24PT-35-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738474
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-L850
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

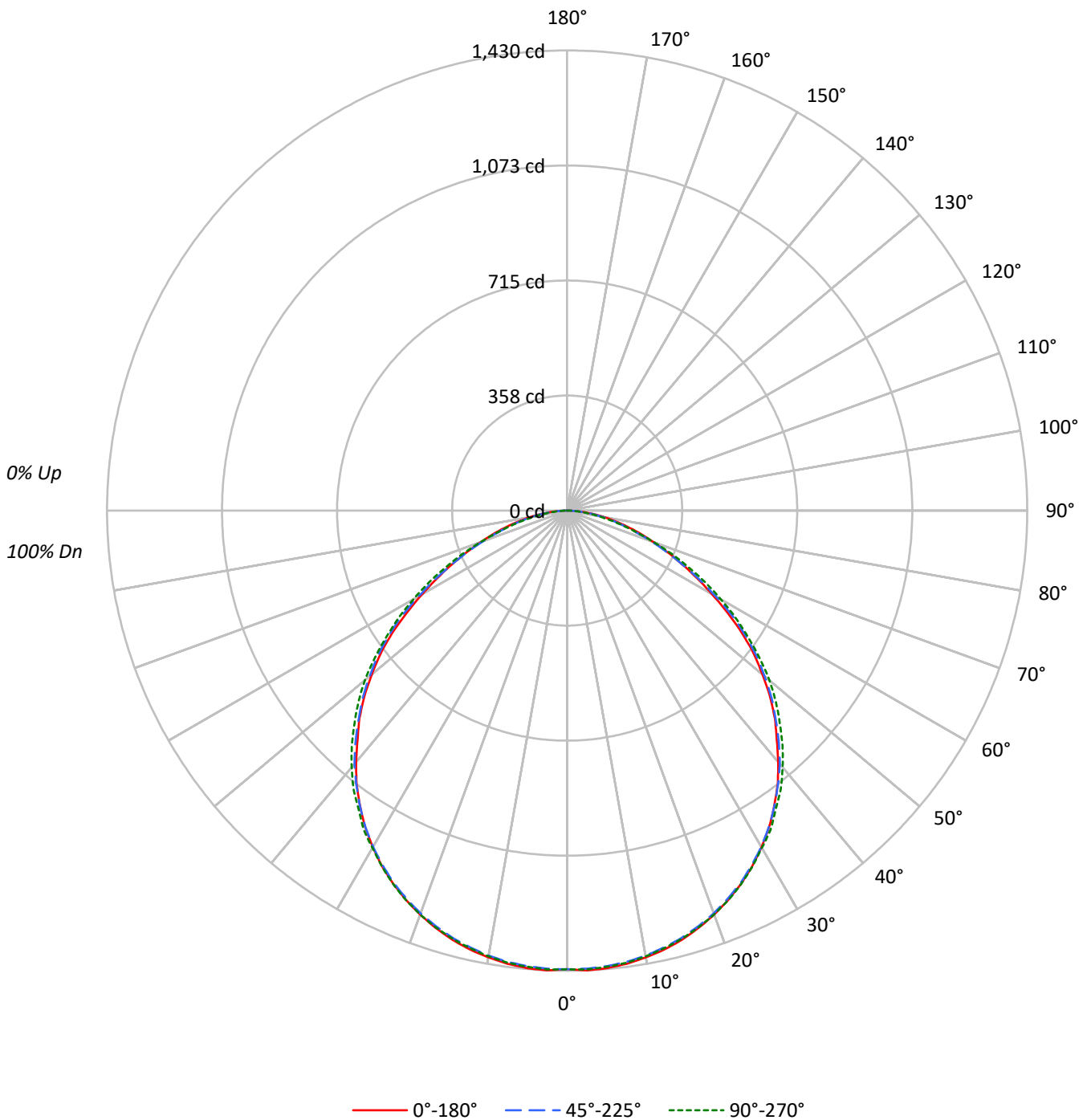
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3773.0 lumens
Efficiency: N/A
Efficacy: 133.8 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_{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	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°	2044	2044	2044
5°	2054	2045	2048
10°	2053	2044	2048
15°	2049	2041	2045
20°	2039	2032	2038
25°	2024	2019	2026
30°	2000	1997	2004
35°	1964	1964	1979
40°	1910	1924	1950
45°	1850	1858	1895
50°	1768	1788	1831
55°	1659	1690	1716
60°	1490	1526	1583
65°	1333	1336	1408
70°	1189	1156	1197
75°	1074	1010	992
80°	954	890	785
85°	781	742	614



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	3.6
10°-20°	388.2	10.3
20°-30°	588.2	15.6
30°-40°	702.9	18.6
40°-50°	709.1	18.8
50°-60°	601.6	15.9
60°-70°	398.0	10.5
70°-80°	197.5	5.2
80°-90°	52.3	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°	1111.6	29.5
0°-40°	1814.5	48.1
0°-60°	3125.2	82.8
0°-90°	3773.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3773.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1425	1425	1425	1425	1425	
5°	1427	1422	1421	1420	1423	136
15°	1380	1376	1375	1375	1378	389
25°	1279	1276	1276	1276	1280	589
35°	1122	1120	1122	1128	1131	701
45°	912	911	916	929	935	702
55°	664	665	676	682	686	590
65°	393	392	394	406	415	392
75°	194	188	182	177	179	207
85°	48	48	45	41	37	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1425.4	1425.4	1425.4	1425.4	1425.4
2.5°	1430.3	1425.8	1424.6	1423.8	1427.1
5°	1427.1	1422.1	1420.9	1420.1	1423.0
7.5°	1420.5	1415.2	1414.4	1413.5	1417.2
10°	1409.9	1404.9	1404.1	1403.3	1406.6
12.5°	1397.2	1392.2	1390.6	1391.0	1393.1
15°	1380.4	1375.8	1374.6	1374.6	1377.5
17.5°	1359.5	1355.4	1354.5	1354.1	1357.8
20°	1336.1	1332.0	1332.0	1333.2	1335.3
22.5°	1309.5	1306.6	1305.0	1305.8	1309.9
25°	1279.2	1276.3	1276.3	1275.9	1280.4
27.5°	1245.6	1241.9	1241.9	1245.1	1246.8
30°	1207.9	1204.6	1206.2	1208.7	1210.3
32.5°	1167.3	1165.3	1166.5	1170.2	1176.7
35°	1121.8	1120.2	1122.2	1128.4	1130.8
37.5°	1074.3	1073.1	1075.9	1084.1	1091.1
40°	1020.2	1020.2	1028.0	1035.4	1041.9
42.5°	964.1	967.8	973.5	985.0	990.7
45°	912.5	911.2	916.5	928.8	934.6
47.5°	855.1	853.9	861.6	870.3	879.7
50°	792.4	792.0	801.4	808.8	820.7
52.5°	731.4	735.0	741.2	747.7	754.7
55°	663.8	665.4	676.0	682.2	686.3
57.5°	590.8	596.1	609.3	618.3	622.0
60°	519.5	522.8	532.2	548.2	551.9
62.5°	454.8	456.0	461.8	479.8	484.7
65°	392.9	392.1	393.7	406.0	415.0
67.5°	336.8	333.5	333.5	340.1	351.1
70°	283.5	278.6	275.7	277.8	285.6
72.5°	238.9	232.3	224.9	223.7	228.6
75°	193.8	188.5	182.3	176.6	179.0
77.5°	154.5	150.0	144.2	137.7	134.4
80°	115.5	113.9	107.8	101.6	95.1
82.5°	80.7	79.5	75.4	70.5	66.4
85°	47.5	47.5	45.1	41.4	37.3
87.5°	21.3	20.5	21.3	18.0	16.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)