

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: P738509

Luminaire Tested: **24PT-40-PL1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738509
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-40-PL1-L940
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

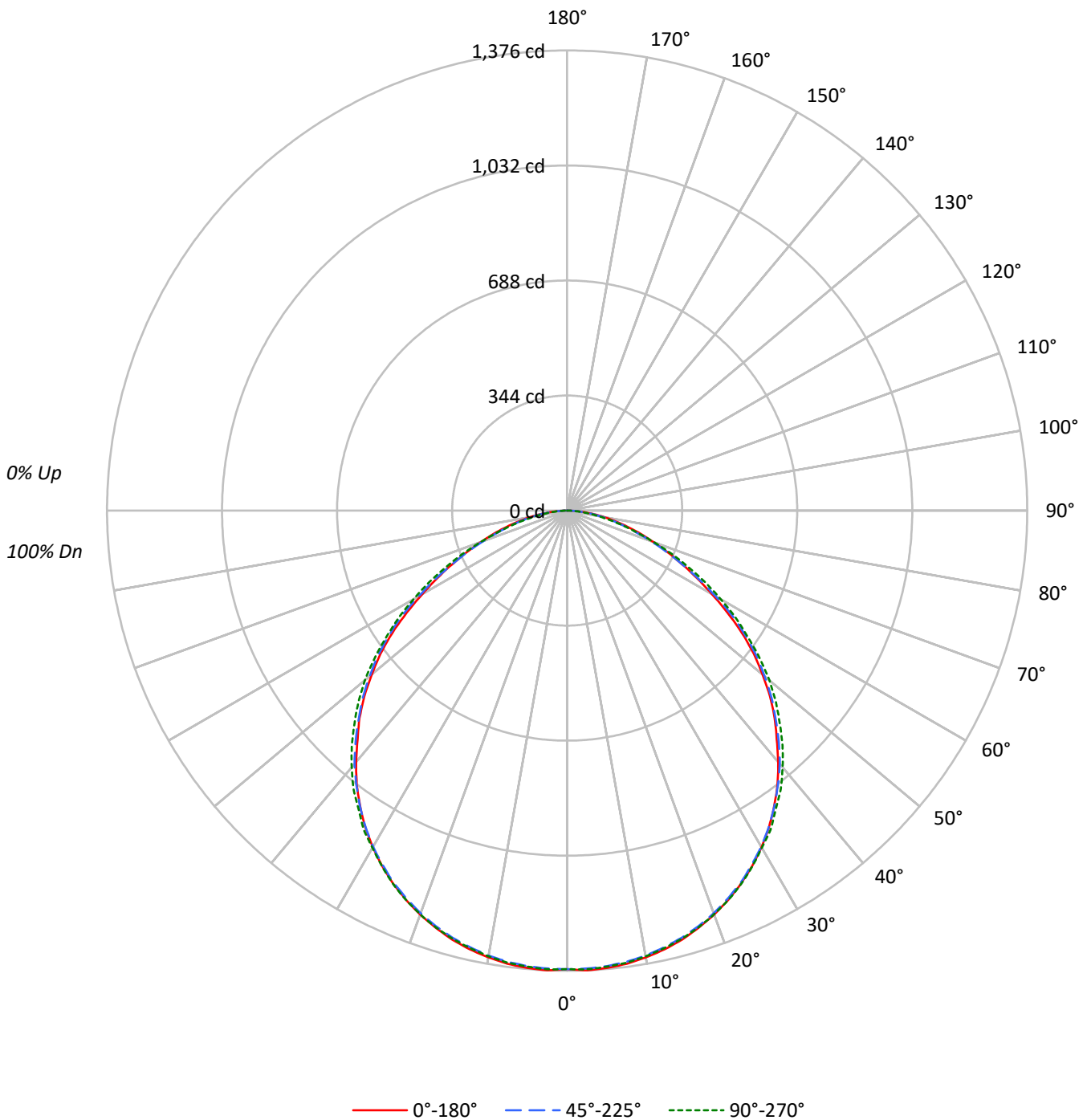
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3630.0 lumens
Efficiency: N/A
Efficacy: 111.0 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): 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	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°	1966	1966	1966
5°	1976	1968	1970
10°	1975	1967	1970
15°	1971	1963	1967
20°	1962	1955	1960
25°	1947	1943	1949
30°	1924	1921	1928
35°	1889	1890	1904
40°	1837	1851	1876
45°	1780	1788	1823
50°	1701	1720	1761
55°	1596	1626	1651
60°	1433	1469	1523
65°	1282	1285	1355
70°	1144	1112	1152
75°	1033	972	955
80°	918	856	756
85°	752	714	591



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	3.6
10°-20°	373.5	10.3
20°-30°	565.9	15.6
30°-40°	676.3	18.6
40°-50°	682.2	18.8
50°-60°	578.8	15.9
60°-70°	382.9	10.5
70°-80°	190.0	5.2
80°-90°	50.3	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°	1069.5	29.5
0°-40°	1745.8	48.1
0°-60°	3006.7	82.8
0°-90°	3630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3630.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1371	1371	1371	1371	1371	
5°	1373	1368	1367	1366	1369	131
15°	1328	1324	1322	1322	1325	375
25°	1231	1228	1228	1228	1232	567
35°	1079	1078	1080	1086	1088	674
45°	878	877	882	894	899	675
55°	639	640	650	656	660	568
65°	378	377	379	391	399	377
75°	186	181	175	170	172	200
85°	46	46	43	40	36	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1371.4	1371.4	1371.4	1371.4	1371.4
2.5°	1376.1	1371.8	1370.6	1369.8	1373.0
5°	1373.0	1368.2	1367.1	1366.3	1369.0
7.5°	1366.7	1361.5	1360.8	1360.0	1363.5
10°	1356.4	1351.7	1350.9	1350.1	1353.3
12.5°	1344.2	1339.5	1337.9	1338.3	1340.3
15°	1328.0	1323.7	1322.5	1322.5	1325.3
17.5°	1307.9	1304.0	1303.2	1302.8	1306.4
20°	1285.5	1281.5	1281.5	1282.7	1284.7
22.5°	1259.8	1257.1	1255.5	1256.3	1260.2
25°	1230.7	1227.9	1227.9	1227.5	1231.9
27.5°	1198.3	1194.8	1194.8	1198.0	1199.5
30°	1162.1	1158.9	1160.5	1162.9	1164.4
32.5°	1123.1	1121.1	1122.3	1125.8	1132.1
35°	1079.3	1077.7	1079.7	1085.6	1088.0
37.5°	1033.6	1032.4	1035.2	1043.0	1049.7
40°	981.5	981.5	989.0	996.1	1002.4
42.5°	927.5	931.1	936.6	947.6	953.2
45°	877.9	876.7	881.8	893.6	899.2
47.5°	822.7	821.5	829.0	837.3	846.3
50°	762.4	762.0	771.0	778.1	789.6
52.5°	703.6	707.2	713.1	719.4	726.1
55°	638.6	640.2	650.4	656.3	660.3
57.5°	568.4	573.6	586.2	594.8	598.4
60°	499.8	503.0	512.1	527.4	531.0
62.5°	437.6	438.7	444.3	461.6	466.3
65°	378.0	377.2	378.8	390.6	399.3
67.5°	324.0	320.9	320.9	327.2	337.8
70°	272.8	268.1	265.3	267.3	274.8
72.5°	229.8	223.5	216.4	215.2	220.0
75°	186.5	181.3	175.4	169.9	172.3
77.5°	148.6	144.3	138.8	132.4	129.3
80°	111.2	109.6	103.7	97.8	91.5
82.5°	77.7	76.5	72.5	67.8	63.9
85°	45.7	45.7	43.4	39.8	35.9
87.5°	20.5	19.7	20.5	17.3	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)