

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: P738517

Luminaire Tested: **24PT-40-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-40-PR1-L940
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

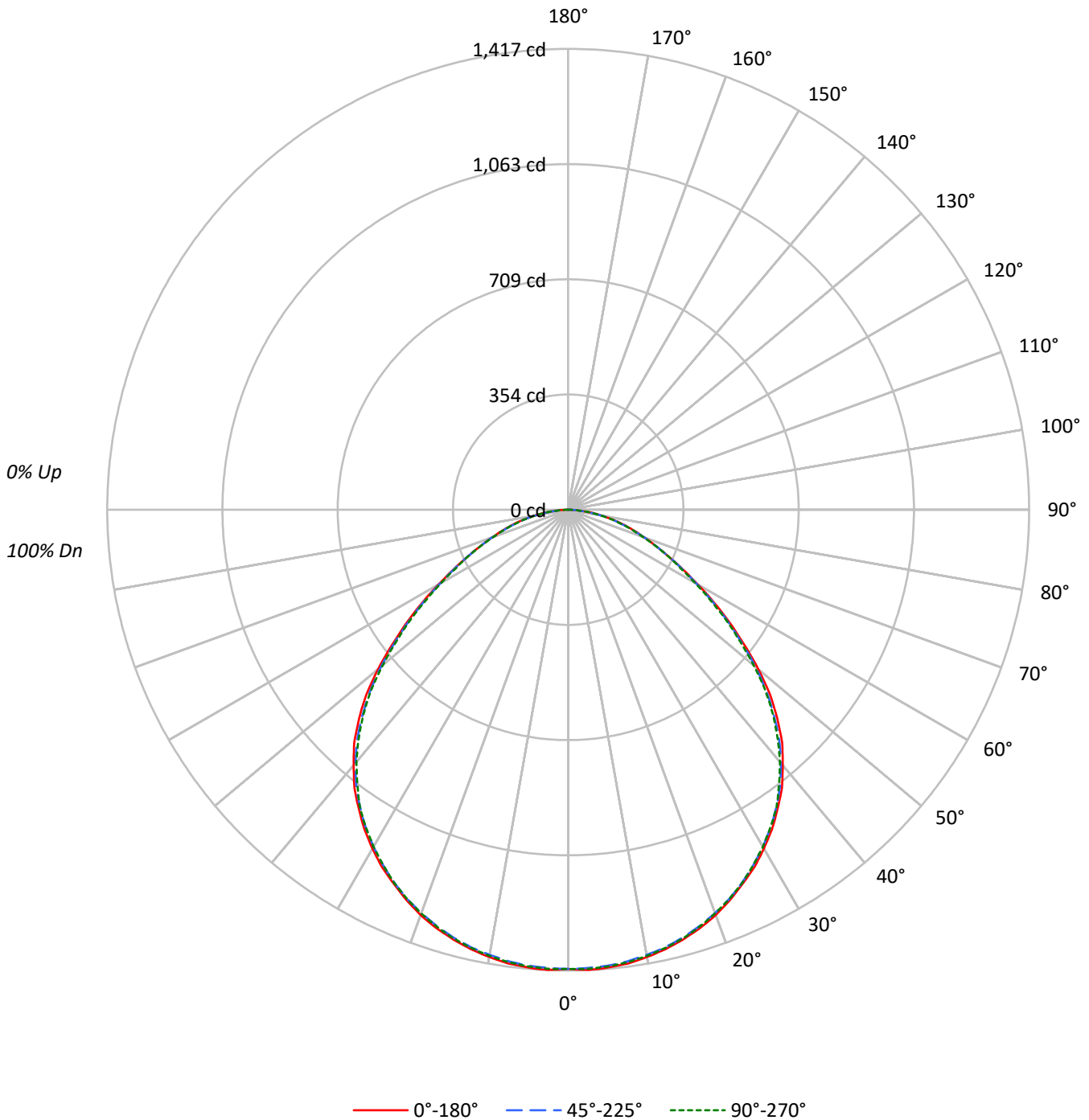
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3596.0 lumens
Efficiency: N/A
Efficacy: 110.0 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2025	2025	2025
5°	2034	2026	2029
10°	2033	2024	2028
15°	2030	2022	2025
20°	2024	2014	2016
25°	2008	2001	2003
30°	1992	1981	1981
35°	1964	1953	1955
40°	1920	1904	1896
45°	1843	1814	1804
50°	1702	1677	1661
55°	1515	1493	1483
60°	1320	1306	1292
65°	1157	1158	1152
70°	1041	1038	1023
75°	970	941	943
80°	866	850	850
85°	668	688	661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.9	3.7
10°-20°	384.6	10.7
20°-30°	583.1	16.2
30°-40°	697.4	19.4
40°-50°	688.6	19.1
50°-60°	536.0	14.9
60°-70°	340.3	9.5
70°-80°	182.6	5.1
80°-90°	49.5	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°	1101.6	30.6
0°-40°	1799.1	50.0
0°-60°	3023.6	84.1
0°-90°	3596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3596.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1412	1412	1412	1412	1412	
5°	1413	1409	1407	1406	1410	134
15°	1368	1363	1362	1360	1364	386
25°	1269	1266	1265	1263	1266	585
35°	1122	1120	1116	1112	1117	702
45°	909	903	894	890	890	698
55°	606	603	597	593	593	543
65°	341	342	341	337	339	342
75°	175	172	170	170	170	185
85°	41	41	42	42	40	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1412.0	1412.0	1412.0	1412.0	1412.0
2.5°	1416.7	1412.0	1410.4	1409.6	1413.2
5°	1413.2	1408.8	1407.3	1406.5	1409.6
7.5°	1407.3	1402.1	1400.6	1399.8	1403.3
10°	1396.6	1391.9	1389.9	1389.9	1393.1
12.5°	1384.0	1380.1	1378.1	1376.5	1380.1
15°	1367.8	1363.1	1361.9	1360.4	1364.3
17.5°	1348.5	1343.8	1342.2	1341.4	1344.2
20°	1326.5	1320.5	1319.8	1319.4	1320.9
22.5°	1299.3	1296.1	1294.5	1293.7	1294.9
25°	1268.9	1266.5	1265.0	1262.6	1265.8
27.5°	1239.3	1236.2	1232.2	1230.3	1232.2
30°	1203.1	1199.1	1196.4	1195.6	1196.4
32.5°	1165.6	1161.7	1158.1	1157.7	1157.4
35°	1122.3	1119.9	1115.6	1112.0	1116.7
37.5°	1079.3	1073.8	1069.8	1065.5	1064.3
40°	1025.7	1023.7	1017.0	1013.1	1012.7
42.5°	973.7	964.6	959.9	957.1	952.8
45°	909.0	902.7	894.4	890.1	889.7
47.5°	841.6	833.7	825.8	819.9	821.5
50°	762.8	759.2	751.7	746.6	744.6
52.5°	681.6	680.8	672.9	669.7	666.2
55°	605.9	602.7	597.2	593.3	593.3
57.5°	531.4	528.6	525.9	518.4	518.4
60°	460.4	460.0	455.3	451.0	450.6
62.5°	397.0	399.3	395.0	390.6	388.3
65°	341.0	342.2	341.4	337.0	339.4
67.5°	291.7	292.1	290.5	288.2	289.7
70°	248.3	250.3	247.6	246.0	244.0
72.5°	210.5	209.7	207.3	208.5	205.8
75°	175.0	172.3	169.9	169.5	170.3
77.5°	139.5	138.8	136.8	136.8	135.6
80°	104.9	104.1	102.9	103.3	102.9
82.5°	74.5	72.5	71.0	71.7	72.1
85°	40.6	41.4	41.8	41.8	40.2
87.5°	16.6	16.2	16.6	17.3	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)