

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: P738501

Luminaire Tested: **24PT-40-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738501
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-40-PC3-L940
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

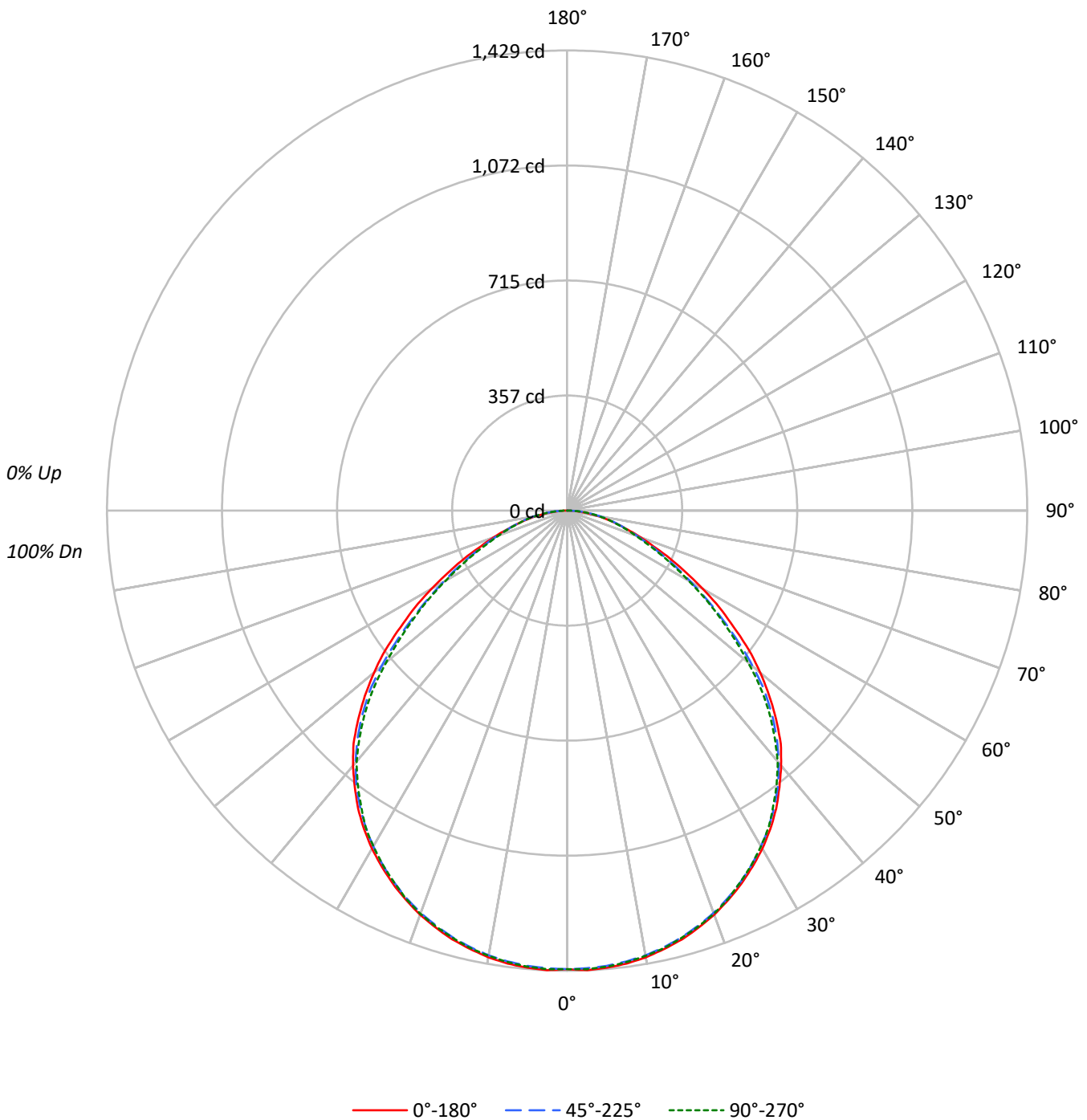
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3592.0 lumens
Efficiency: N/A
Efficacy: 109.8 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): 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

TEST NUMBER: P738501
CATALOG NUMBER: 24PT-40-PC3-L940

Luminous Intensity Polar Plot





TEST NUMBER: P738501

CATALOG NUMBER: 24PT-40-PC3-L940

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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2042	2042	2042
5°	2051	2042	2046
10°	2051	2042	2044
15°	2046	2037	2039
20°	2038	2028	2033
25°	2024	2014	2013
30°	2007	1994	1993
35°	1980	1964	1955
40°	1935	1912	1904
45°	1860	1826	1800
50°	1747	1680	1636
55°	1579	1472	1445
60°	1397	1274	1249
65°	1194	1104	1076
70°	1012	969	940
75°	887	902	871
80°	795	877	828
85°	671	801	763



TEST NUMBER: P738501

CATALOG NUMBER: 24PT-40-PC3-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.0	3.8
10°-20°	387.6	10.8
20°-30°	587.1	16.3
30°-40°	701.2	19.5
40°-50°	691.7	19.3
50°-60°	535.5	14.9
60°-70°	329.2	9.2
70°-80°	172.5	4.8
80°-90°	52.3	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°	1109.7	30.9
0°-40°	1810.9	50.4
0°-60°	3038.1	84.6
0°-90°	3592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3592.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1424	1424	1424	1424	1424	
5°	1425	1420	1419	1418	1422	135
15°	1378	1374	1372	1371	1374	389
25°	1279	1275	1273	1272	1273	589
35°	1131	1126	1122	1118	1117	706
45°	918	911	900	891	888	706
55°	632	615	589	580	578	567
65°	352	336	325	316	317	351
75°	160	162	163	160	157	173
85°	41	46	49	48	46	47
90°	0	0	0	0	0	



TEST NUMBER: P738501

CATALOG NUMBER: 24PT-40-PC3-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1424.0	1424.0	1424.0	1424.0	1424.0
2.5°	1428.8	1424.4	1422.4	1422.0	1425.2
5°	1424.8	1420.4	1418.9	1418.1	1421.6
7.5°	1418.5	1413.7	1412.1	1410.9	1414.1
10°	1408.6	1403.8	1402.2	1401.4	1404.2
12.5°	1394.3	1389.9	1388.7	1387.6	1391.1
15°	1378.4	1374.1	1372.1	1370.9	1373.7
17.5°	1357.8	1354.3	1351.9	1351.9	1354.3
20°	1335.6	1331.3	1329.3	1328.1	1332.1
22.5°	1308.3	1305.5	1303.1	1301.2	1305.5
25°	1279.4	1275.4	1273.0	1272.2	1272.6
27.5°	1246.5	1243.7	1240.5	1239.3	1240.1
30°	1212.0	1208.4	1204.1	1201.7	1203.7
32.5°	1173.5	1168.4	1164.8	1162.4	1165.2
35°	1131.1	1126.0	1122.0	1118.4	1116.9
37.5°	1082.8	1081.2	1075.6	1069.3	1068.9
40°	1034.0	1029.7	1021.7	1019.0	1017.0
42.5°	981.7	972.6	964.3	956.3	953.6
45°	917.5	910.8	900.5	891.0	887.8
47.5°	851.7	843.0	833.1	816.4	814.5
50°	783.1	770.5	753.0	739.2	733.2
52.5°	711.8	694.8	670.6	658.7	655.5
55°	631.8	614.7	588.9	580.2	577.9
57.5°	560.4	535.4	514.4	504.5	507.7
60°	487.1	462.9	444.3	434.8	435.6
62.5°	415.4	396.3	382.5	373.3	374.5
65°	351.9	335.7	325.4	315.9	317.1
67.5°	289.7	282.2	274.7	269.1	265.9
70°	241.4	238.2	231.1	225.9	224.3
72.5°	197.4	199.4	193.4	191.8	191.4
75°	160.1	161.7	162.9	159.7	157.3
77.5°	128.0	130.4	135.1	130.8	130.0
80°	96.3	101.1	106.2	103.4	100.3
82.5°	67.4	73.3	78.1	74.5	72.9
85°	40.8	45.6	48.7	47.6	46.4
87.5°	18.2	19.8	21.4	21.8	21.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)