

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: P737838

Luminaire Tested: **14PT-40-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PR1-L950
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

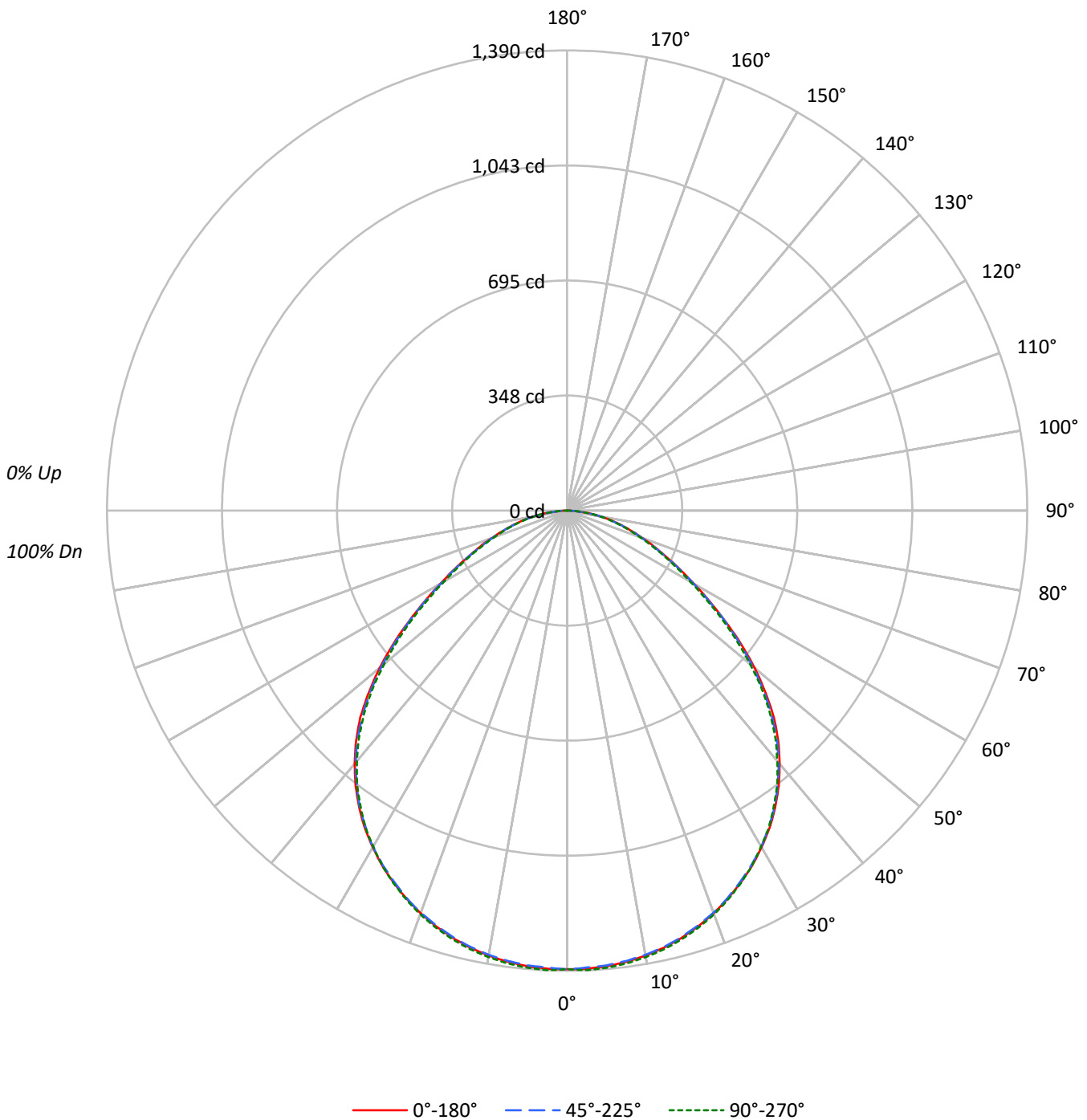
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3504.0 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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	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	85					85			
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	80	73	68	78	71	66	75	70	65	72	68	64	62					62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54					54			
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47					47			
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41					41			
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37					37			
8	62	49	41	35	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	39	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4154	4154	4154
5°	4158	4149	4171
10°	4155	4147	4170
15°	4146	4140	4160
20°	4129	4124	4140
25°	4102	4092	4107
30°	4066	4061	4056
35°	4009	4000	3984
40°	3909	3893	3866
45°	3746	3704	3676
50°	3446	3407	3366
55°	3050	3037	2977
60°	2650	2641	2570
65°	2335	2322	2276
70°	2120	2090	2046
75°	1961	1916	1881
80°	1792	1766	1706
85°	1417	1400	1348



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.4	3.8
10°-20°	377.2	10.8
20°-30°	571.5	16.3
30°-40°	682.2	19.5
40°-50°	670.9	19.1
50°-60°	518.5	14.8
60°-70°	327.0	9.3
70°-80°	176.9	5.0
80°-90°	48.3	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°	1080.1	30.8
0°-40°	1762.4	50.3
0°-60°	2951.8	84.2
0°-90°	3504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3504.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1386	1386	1386	1386	1386	
5°	1382	1382	1379	1384	1386	131
15°	1336	1336	1334	1338	1340	377
25°	1240	1241	1237	1241	1242	572
35°	1096	1096	1093	1092	1089	684
45°	884	880	874	867	867	676
55°	584	588	581	572	570	524
65°	329	330	327	322	321	331
75°	169	167	165	166	162	180
85°	41	42	41	41	39	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1385.5	1385.5	1385.5	1385.5	1385.5
2.5°	1385.0	1385.5	1381.6	1388.0	1389.5
5°	1381.6	1382.1	1378.6	1384.5	1386.0
7.5°	1374.6	1375.6	1372.1	1378.1	1379.6
10°	1364.7	1365.7	1362.2	1368.1	1369.6
12.5°	1352.3	1352.8	1349.8	1355.2	1356.7
15°	1335.9	1336.4	1333.9	1338.4	1340.3
17.5°	1317.0	1317.5	1314.0	1319.5	1320.5
20°	1294.2	1294.7	1292.7	1297.1	1297.6
22.5°	1268.8	1269.8	1266.8	1270.8	1271.3
25°	1240.0	1241.0	1237.0	1241.0	1241.5
27.5°	1209.7	1210.2	1206.8	1209.7	1209.2
30°	1174.5	1177.5	1173.0	1172.0	1171.5
32.5°	1137.7	1138.2	1133.8	1132.8	1134.7
35°	1095.5	1096.0	1093.0	1091.5	1088.6
37.5°	1049.3	1049.3	1043.9	1042.9	1042.4
40°	998.7	998.2	994.7	991.2	987.7
42.5°	943.6	944.5	937.6	931.6	930.6
45°	883.5	880.0	873.5	866.6	867.1
47.5°	812.4	813.4	804.5	799.0	797.5
50°	738.9	738.9	730.5	724.5	721.6
52.5°	662.0	662.5	654.5	646.6	645.1
55°	583.5	588.5	581.0	571.6	569.6
57.5°	510.0	514.0	507.0	497.1	496.6
60°	442.0	442.5	440.5	431.1	428.6
62.5°	383.9	381.4	380.4	375.4	372.5
65°	329.2	329.7	327.3	321.8	320.8
67.5°	285.1	284.6	280.1	276.6	274.6
70°	241.8	240.4	238.4	235.4	233.4
72.5°	203.1	203.1	201.6	200.6	197.2
75°	169.3	167.4	165.4	166.4	162.4
77.5°	137.1	135.1	133.6	131.6	130.6
80°	103.8	101.8	102.3	99.3	98.8
82.5°	72.0	72.0	71.0	68.5	69.0
85°	41.2	41.7	40.7	41.2	39.2
87.5°	14.9	15.4	16.4	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)