

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: P737822

Luminaire Tested: **14PT-40-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PL1-L950
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

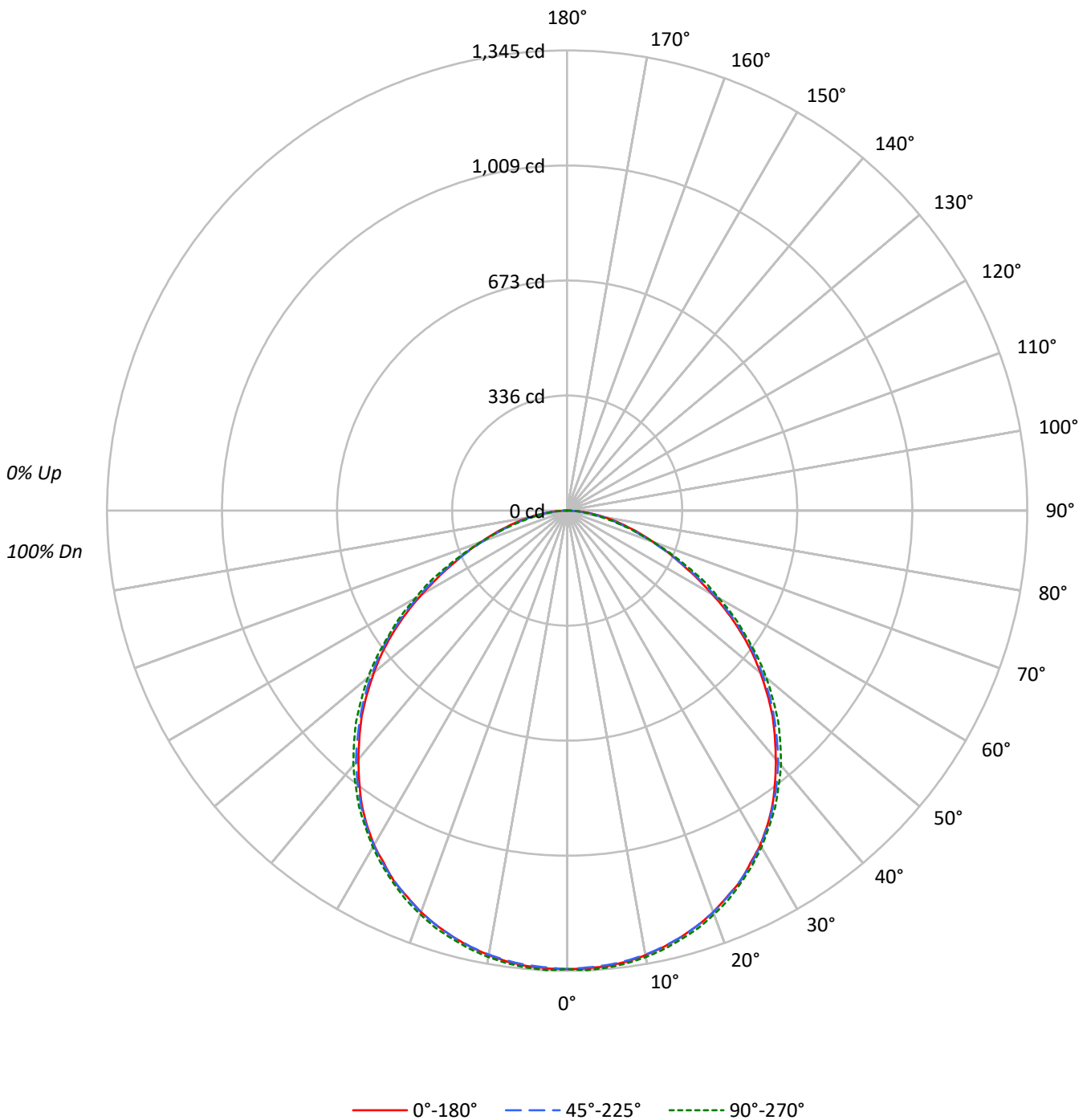
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3533.0 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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	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		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	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	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4018	4018	4018
5°	4022	4014	4036
10°	4017	4012	4035
15°	4004	4003	4023
20°	3985	3985	4007
25°	3957	3952	3974
30°	3907	3913	3932
35°	3833	3847	3878
40°	3714	3757	3805
45°	3598	3628	3697
50°	3439	3477	3546
55°	3239	3291	3330
60°	2939	3001	3076
65°	2611	2638	2744
70°	2333	2285	2342
75°	2105	1984	1944
80°	1911	1775	1578
85°	1624	1469	1262



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	3.6
10°-20°	364.6	10.3
20°-30°	551.6	15.6
30°-40°	657.4	18.6
40°-50°	661.1	18.7
50°-60°	561.1	15.9
60°-70°	373.6	10.6
70°-80°	186.5	5.3
80°-90°	49.9	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°	1043.3	29.5
0°-40°	1700.8	48.1
0°-60°	2923.0	82.7
0°-90°	3533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3533.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1340	1340	1340	1340	1340	
5°	1336	1337	1334	1340	1341	127
15°	1290	1292	1290	1295	1296	364
25°	1196	1196	1195	1200	1201	550
35°	1047	1048	1051	1059	1060	653
45°	849	850	856	867	872	653
55°	620	624	630	636	637	552
65°	368	371	372	377	387	369
75°	182	179	171	167	168	195
85°	47	46	43	40	37	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1340.3	1340.3	1340.3	1340.3	1340.3
2.5°	1339.3	1340.3	1336.8	1343.2	1344.7
5°	1336.3	1336.8	1333.8	1339.8	1341.2
7.5°	1329.8	1330.3	1327.3	1333.8	1334.8
10°	1319.4	1320.4	1317.9	1323.9	1325.4
12.5°	1306.0	1307.5	1305.0	1311.5	1312.4
15°	1290.1	1291.6	1289.6	1295.1	1296.1
17.5°	1270.7	1271.7	1270.7	1275.7	1278.7
20°	1248.9	1248.9	1248.9	1253.4	1255.8
22.5°	1221.6	1224.1	1223.1	1229.0	1231.5
25°	1196.2	1196.2	1194.8	1200.2	1201.2
27.5°	1161.0	1165.0	1164.5	1169.4	1170.4
30°	1128.7	1129.7	1130.2	1133.7	1135.7
32.5°	1089.5	1090.5	1092.0	1096.9	1097.4
35°	1047.3	1048.3	1051.2	1058.7	1059.7
37.5°	998.1	1003.6	1006.1	1014.0	1015.0
40°	949.0	952.4	959.9	968.3	972.3
42.5°	898.8	902.8	907.2	918.7	922.1
45°	848.6	850.1	855.6	867.0	872.0
47.5°	793.0	797.5	802.5	812.4	815.4
50°	737.4	742.4	745.4	754.3	760.3
52.5°	681.3	685.8	689.2	694.7	700.7
55°	619.7	624.2	629.7	635.6	637.1
57.5°	557.2	562.1	565.6	572.1	578.5
60°	490.1	495.6	500.5	506.5	513.0
62.5°	427.6	430.0	435.0	444.9	454.4
65°	368.0	370.9	371.9	377.4	386.8
67.5°	318.3	318.3	313.8	315.8	326.2
70°	266.2	264.2	260.7	258.7	267.2
72.5°	224.0	221.5	214.0	210.5	215.0
75°	181.7	179.3	171.3	167.3	167.8
77.5°	146.0	142.0	135.6	128.6	127.1
80°	110.7	109.2	102.8	96.3	91.4
82.5°	78.5	75.0	71.5	67.5	63.6
85°	47.2	46.2	42.7	40.2	36.7
87.5°	19.4	19.4	18.4	17.4	16.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)