

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: P737842

Luminaire Tested: **14PT-40-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PW1-L850
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

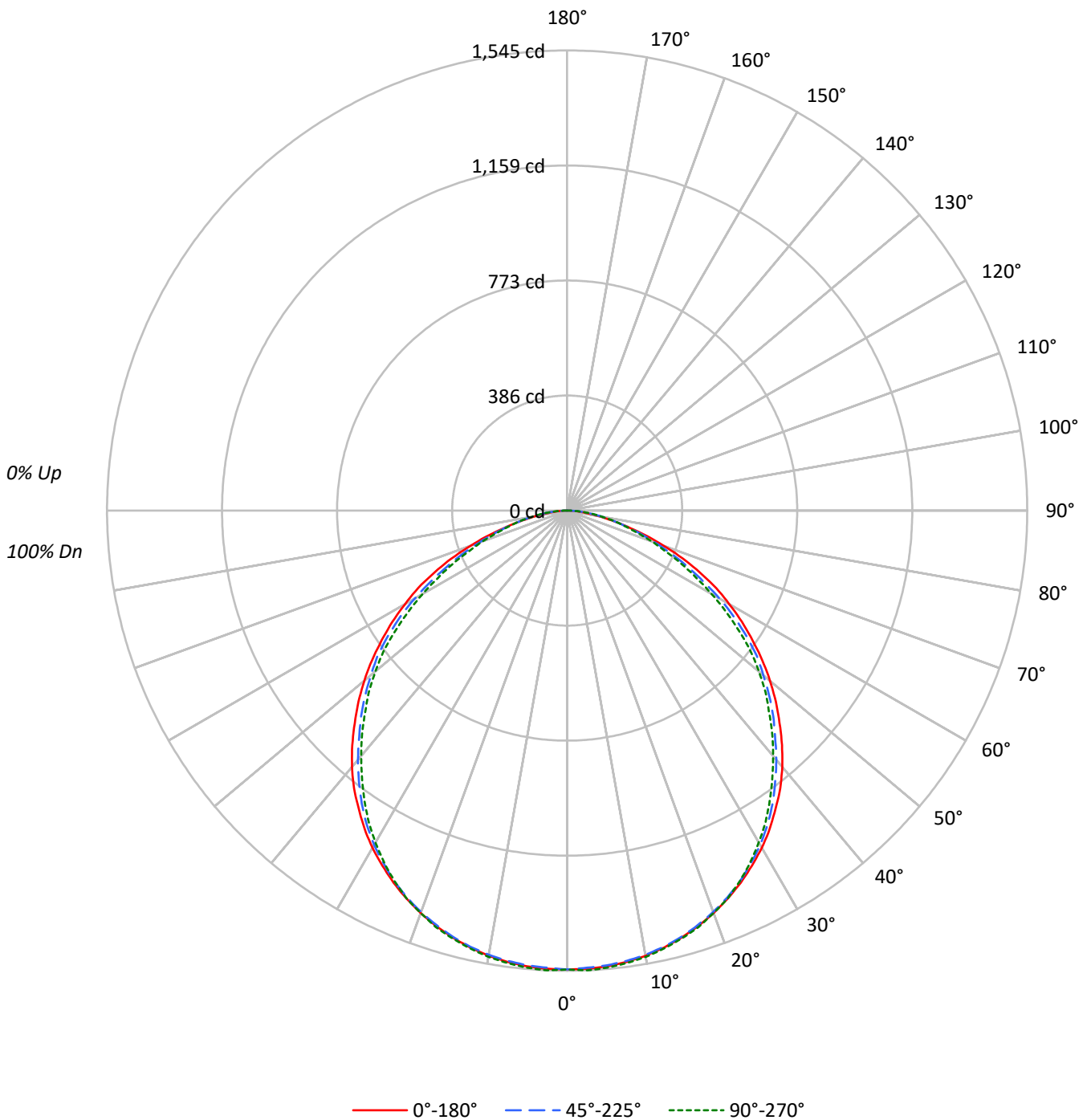
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4088.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 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 (Ain): 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: P737842
CATALOG NUMBER: 14PT-40-PW1-L850

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	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4619	4619	4619
5°	4622	4612	4636
10°	4620	4610	4633
15°	4606	4599	4617
20°	4587	4576	4587
25°	4562	4543	4539
30°	4527	4487	4456
35°	4466	4399	4343
40°	4398	4278	4211
45°	4276	4150	4066
50°	4147	4012	3919
55°	3974	3840	3688
60°	3768	3546	3361
65°	3486	3166	3009
70°	3022	2757	2652
75°	2413	2361	2295
80°	1834	2049	2049
85°	1355	1747	1747



TEST NUMBER: P737842

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.1	3.6
10°-20°	419.0	10.2
20°-30°	633.3	15.5
30°-40°	751.9	18.4
40°-50°	757.6	18.5
50°-60°	654.8	16.0
60°-70°	447.5	10.9
70°-80°	220.7	5.4
80°-90°	57.1	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°	1198.4	29.3
0°-40°	1950.3	47.7
0°-60°	3362.7	82.3
0°-90°	4088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4088.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1540	1540	1540	1540	1540	
5°	1536	1536	1532	1539	1540	146
15°	1484	1486	1482	1487	1487	419
25°	1379	1378	1373	1374	1372	635
35°	1220	1216	1202	1191	1187	764
45°	1008	998	979	967	959	778
55°	760	758	735	713	706	680
65°	491	474	446	427	424	485
75°	208	207	204	204	198	227
85°	39	46	51	52	51	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1540.5	1540.5	1540.5	1540.5	1540.5
2.5°	1539.9	1540.5	1536.5	1543.3	1545.1
5°	1535.9	1536.5	1532.5	1538.8	1540.5
7.5°	1528.5	1529.6	1525.1	1531.4	1532.5
10°	1517.7	1518.2	1514.2	1520.5	1521.7
12.5°	1502.8	1503.4	1500.0	1505.7	1505.7
15°	1484.0	1485.7	1481.7	1486.8	1487.4
17.5°	1462.9	1463.4	1459.4	1465.1	1466.3
20°	1437.8	1437.8	1434.3	1438.9	1437.8
22.5°	1409.8	1409.8	1405.8	1408.1	1409.2
25°	1379.0	1377.8	1373.3	1374.4	1372.1
27.5°	1343.6	1343.6	1335.6	1335.6	1331.6
30°	1307.6	1304.8	1296.2	1291.1	1287.1
32.5°	1266.5	1262.5	1251.7	1242.6	1239.7
35°	1220.3	1216.3	1202.0	1191.2	1186.6
37.5°	1175.8	1166.6	1147.8	1137.0	1131.8
40°	1123.8	1112.4	1093.0	1078.2	1075.9
42.5°	1067.9	1058.8	1033.7	1022.8	1020.0
45°	1008.5	997.7	978.9	967.4	958.9
47.5°	950.3	942.3	920.6	906.9	904.1
50°	889.2	882.4	860.1	845.3	840.2
52.5°	825.9	821.3	802.5	783.7	777.4
55°	760.3	758.0	734.6	712.9	705.5
57.5°	695.8	692.9	663.8	638.7	631.8
60°	628.4	619.8	591.3	567.9	560.5
62.5°	564.5	546.2	515.4	497.1	488.6
65°	491.4	473.7	446.3	426.9	424.1
67.5°	419.5	398.4	377.3	365.3	356.2
70°	344.7	330.5	314.5	304.2	302.5
72.5°	275.1	264.8	256.8	250.6	245.4
75°	208.3	206.6	203.8	203.8	198.1
77.5°	153.0	157.0	159.2	158.7	159.8
80°	106.2	114.2	118.7	119.3	118.7
82.5°	67.4	76.5	83.9	85.0	86.2
85°	39.4	46.2	50.8	51.9	50.8
87.5°	17.7	22.3	23.4	24.5	23.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)