

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: P737834

Luminaire Tested: **14PT-40-PR1-L850**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737834  
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-L850  
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS  
  
Light Source: -  
Ballast/Driver: -

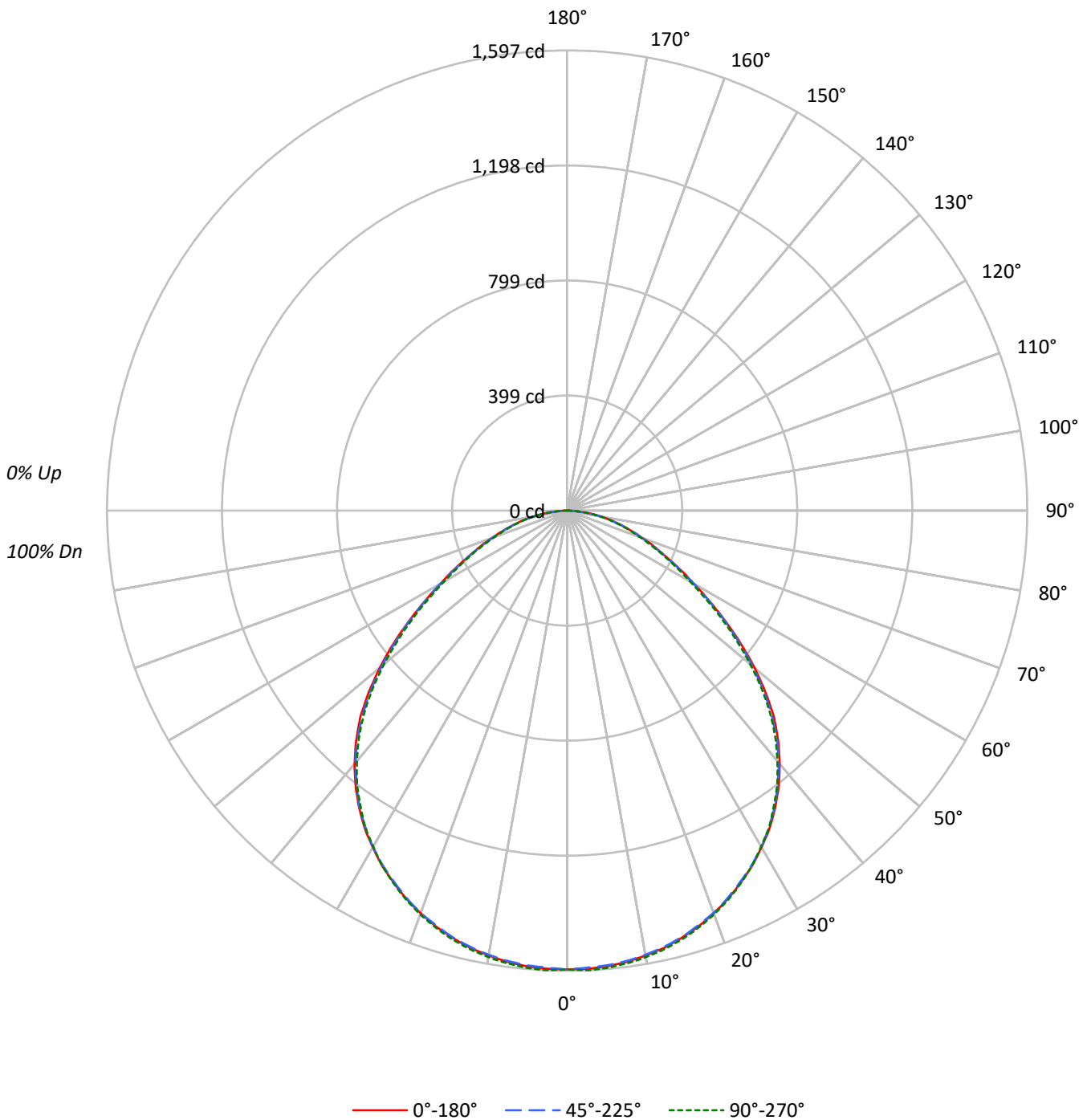
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4027.0 lumens  
Efficiency: N/A  
Efficacy: 125.5 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<sub>in</sub>): 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°	4774	4774	4774
5°	4779	4768	4794
10°	4775	4766	4792
15°	4765	4758	4781
20°	4745	4740	4758
25°	4714	4703	4720
30°	4673	4667	4661
35°	4608	4598	4579
40°	4492	4474	4443
45°	4305	4256	4225
50°	3961	3916	3868
55°	3505	3491	3422
60°	3045	3035	2953
65°	2684	2668	2616
70°	2436	2401	2351
75°	2254	2202	2162
80°	2060	2030	1961
85°	1631	1610	1551



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.0	3.8
10°-20°	433.5	10.8
20°-30°	656.8	16.3
30°-40°	784.0	19.5
40°-50°	771.1	19.1
50°-60°	595.9	14.8
60°-70°	375.8	9.3
70°-80°	203.2	5.0
80°-90°	55.5	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°	1241.4	30.8
0°-40°	2025.4	50.3
0°-60°	3392.4	84.2
0°-90°	4027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4027.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1592	1592	1592	1592	1592	
5°	1588	1588	1584	1591	1593	151
15°	1535	1536	1533	1538	1540	433
25°	1425	1426	1422	1426	1427	657
35°	1259	1260	1256	1254	1251	786
45°	1015	1011	1004	996	996	777
55°	671	676	668	657	655	602
65°	378	379	376	370	369	381
75°	195	192	190	191	187	207
85°	47	48	47	47	45	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1592.3	1592.3	1592.3	1592.3	1592.3
2.5°	1591.8	1592.3	1587.8	1595.2	1596.9
5°	1587.8	1588.3	1584.3	1591.2	1592.9
7.5°	1579.8	1580.9	1576.9	1583.8	1585.5
10°	1568.4	1569.5	1565.5	1572.4	1574.1
12.5°	1554.1	1554.7	1551.2	1557.5	1559.2
15°	1535.3	1535.8	1533.0	1538.1	1540.4
17.5°	1513.6	1514.1	1510.1	1516.4	1517.6
20°	1487.3	1487.9	1485.6	1490.7	1491.3
22.5°	1458.2	1459.4	1455.9	1460.5	1461.1
25°	1425.1	1426.2	1421.7	1426.2	1426.8
27.5°	1390.3	1390.9	1386.9	1390.3	1389.7
30°	1349.8	1353.2	1348.1	1346.9	1346.3
32.5°	1307.5	1308.1	1303.0	1301.8	1304.1
35°	1259.0	1259.6	1256.2	1254.5	1251.0
37.5°	1205.9	1205.9	1199.7	1198.5	1198.0
40°	1147.7	1147.2	1143.2	1139.2	1135.2
42.5°	1084.4	1085.5	1077.5	1070.7	1069.5
45°	1015.3	1011.3	1003.9	995.9	996.5
47.5°	933.7	934.9	924.6	918.3	916.6
50°	849.2	849.2	839.5	832.7	829.3
52.5°	760.8	761.4	752.2	743.1	741.4
55°	670.6	676.3	667.8	656.9	654.6
57.5°	586.1	590.7	582.7	571.3	570.7
60°	507.9	508.5	506.2	495.4	492.5
62.5°	441.2	438.3	437.2	431.5	428.0
65°	378.4	379.0	376.1	369.8	368.7
67.5°	327.6	327.0	321.9	317.9	315.6
70°	277.9	276.2	273.9	270.5	268.2
72.5°	233.4	233.4	231.7	230.6	226.6
75°	194.6	192.3	190.1	191.2	186.6
77.5°	157.5	155.2	153.5	151.2	150.1
80°	119.3	117.0	117.6	114.1	113.6
82.5°	82.8	82.8	81.6	78.8	79.3
85°	47.4	47.9	46.8	47.4	45.1
87.5°	17.1	17.7	18.8	17.7	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)