

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: P737808

Luminaire Tested: **14PT-40-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PC3-L835
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

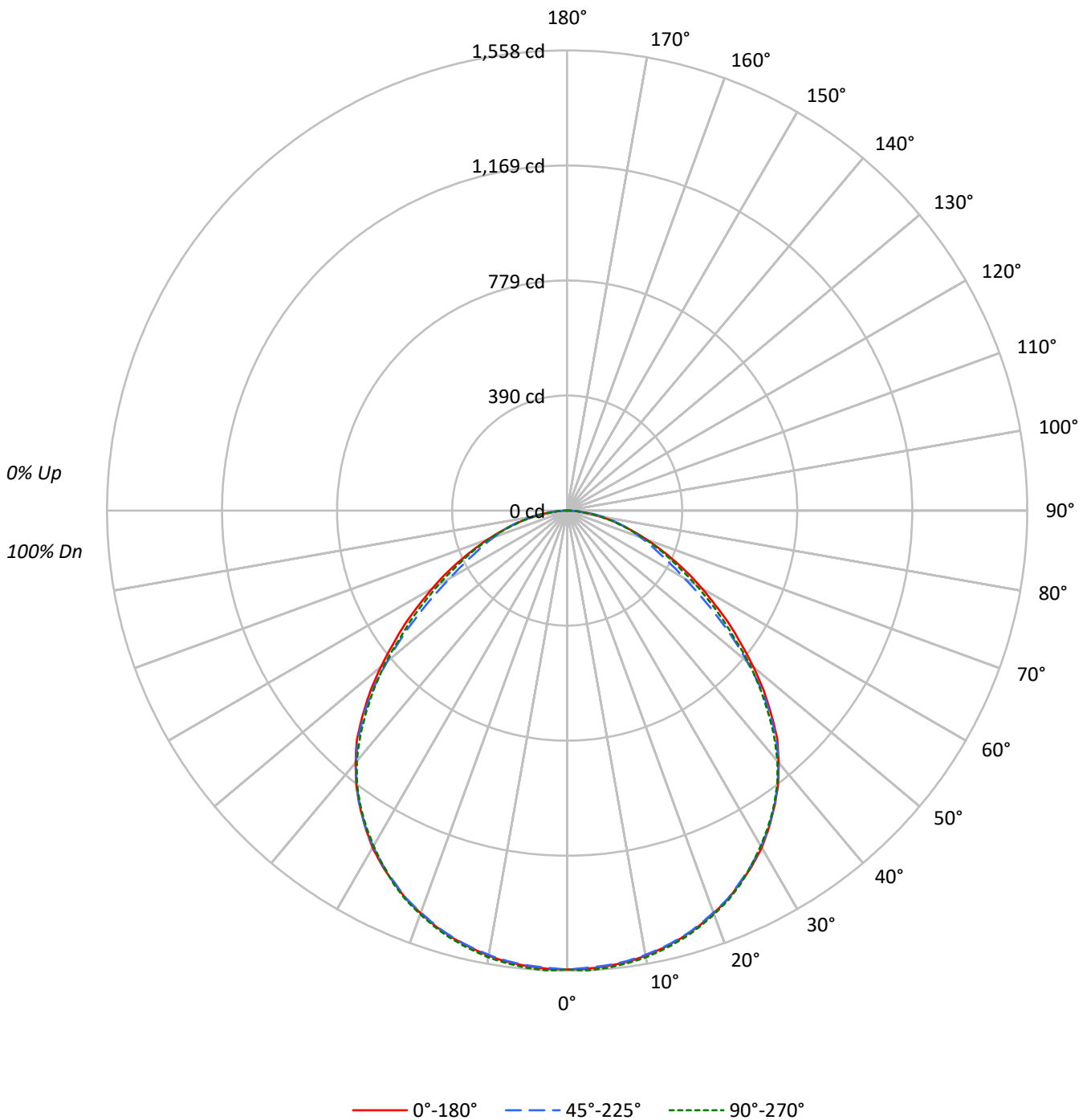
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3917.0 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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	87					85				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					72				
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64					62				
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56					54				
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49					47				
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43					41				
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39					37				
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35					33				
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31					30				
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4658	4658	4658
5°	4659	4651	4678
10°	4659	4651	4676
15°	4648	4643	4664
20°	4627	4620	4640
25°	4596	4588	4607
30°	4561	4546	4538
35°	4479	4475	4466
40°	4361	4354	4334
45°	4147	4116	4074
50°	3839	3709	3750
55°	3503	3218	3364
60°	3159	2746	3012
65°	2823	2456	2709
70°	2504	2324	2436
75°	2215	2253	2170
80°	1910	2150	1899
85°	1434	1703	1434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	3.8
10°-20°	423.0	10.8
20°-30°	640.4	16.3
30°-40°	763.5	19.5
40°-50°	746.0	19.0
50°-60°	570.4	14.6
60°-70°	366.2	9.3
70°-80°	203.8	5.2
80°-90°	56.3	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°	1210.7	30.9
0°-40°	1974.3	50.4
0°-60°	3290.7	84.0
0°-90°	3917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3917.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1554	1554	1554	1554	1554	
5°	1548	1549	1545	1553	1554	147
15°	1498	1499	1496	1501	1503	423
25°	1389	1391	1387	1392	1393	641
35°	1224	1225	1223	1222	1220	765
45°	978	980	971	969	961	753
55°	670	647	616	624	644	599
65°	398	367	346	358	382	397
75°	191	193	194	192	187	204
85°	42	49	50	48	42	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1553.8	1553.8	1553.8	1553.8	1553.8
2.5°	1552.7	1553.2	1549.3	1556.0	1558.2
5°	1548.2	1549.3	1545.4	1552.7	1554.3
7.5°	1541.5	1542.6	1538.8	1546.0	1546.5
10°	1530.4	1531.0	1527.6	1534.9	1536.0
12.5°	1515.4	1517.1	1513.2	1519.9	1520.4
15°	1497.6	1498.7	1496.0	1501.0	1502.6
17.5°	1476.5	1477.1	1474.3	1479.9	1480.4
20°	1450.4	1450.4	1448.2	1454.3	1454.3
22.5°	1423.7	1422.1	1421.5	1423.7	1427.1
25°	1389.3	1390.9	1387.0	1391.5	1392.6
27.5°	1355.9	1355.9	1352.6	1354.8	1352.0
30°	1317.6	1315.4	1313.1	1313.7	1310.9
32.5°	1271.5	1271.5	1270.4	1270.4	1267.0
35°	1223.7	1224.8	1222.6	1222.0	1220.3
37.5°	1172.5	1174.2	1170.3	1169.2	1168.1
40°	1114.2	1114.2	1112.5	1110.3	1107.5
42.5°	1053.6	1053.6	1046.4	1040.8	1037.0
45°	978.0	980.3	970.8	968.6	960.8
47.5°	903.0	901.4	888.6	886.9	882.5
50°	823.0	813.6	795.2	800.2	804.1
52.5°	743.0	731.3	704.6	710.2	716.9
55°	670.2	646.8	615.7	623.5	643.5
57.5°	594.1	562.9	531.8	546.3	571.3
60°	526.8	491.8	457.9	473.5	502.4
62.5°	462.3	425.1	397.9	412.9	437.3
65°	397.9	367.3	346.2	357.9	381.8
67.5°	339.0	318.4	304.0	309.5	329.0
70°	285.6	272.9	265.1	266.7	277.9
72.5°	235.1	231.7	229.0	229.0	230.1
75°	191.2	192.8	194.5	191.7	187.3
77.5°	150.6	156.2	160.0	154.5	148.9
80°	110.6	119.5	124.5	118.4	110.0
82.5°	75.6	85.6	87.2	83.4	73.9
85°	41.7	48.9	49.5	47.8	41.7
87.5°	15.6	18.3	20.0	18.3	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)