

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: P737816

Luminaire Tested: **14PT-40-PL1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737816
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-L835
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

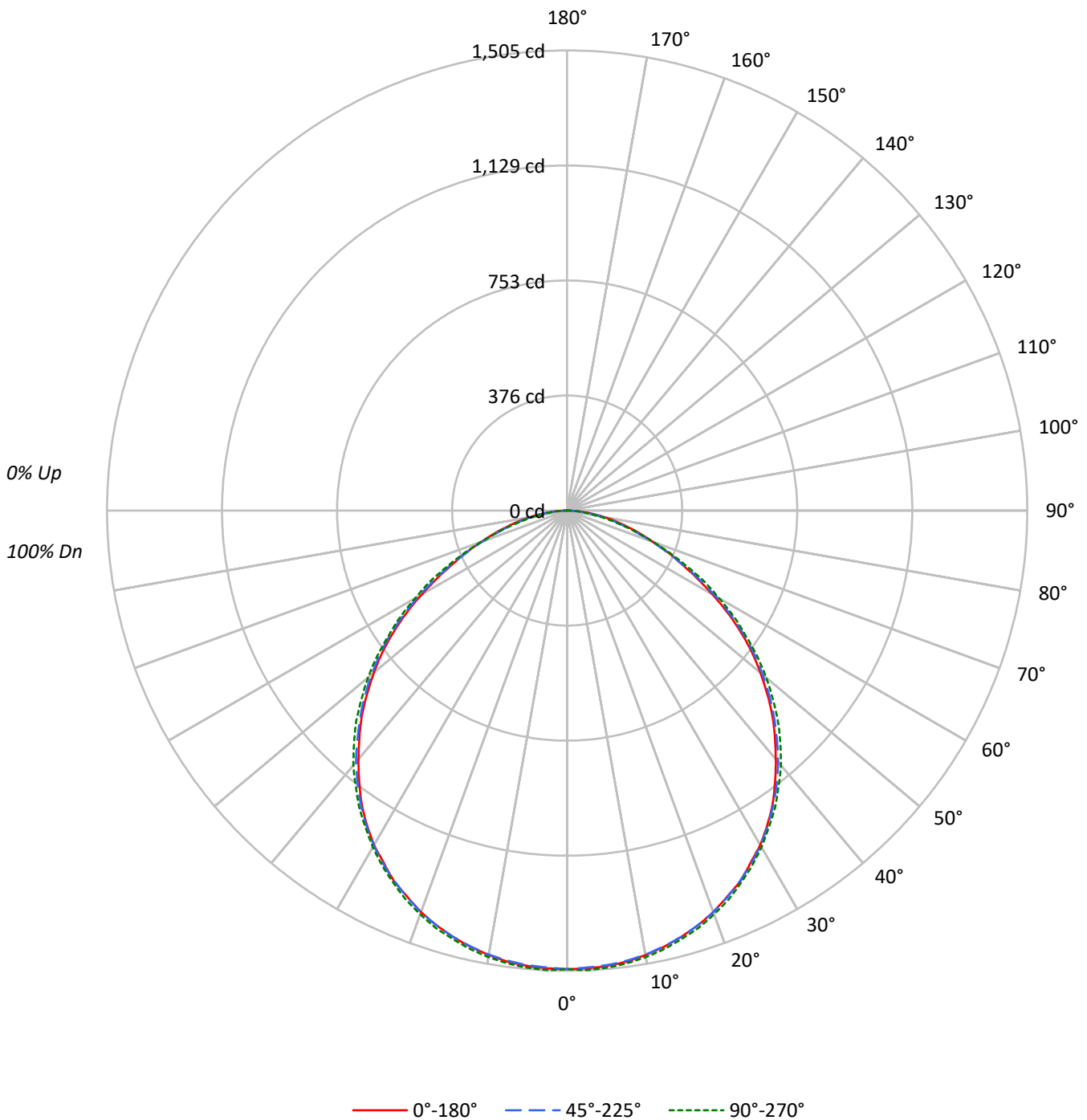
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3953.0 lumens
Efficiency: N/A
Efficacy: 123.1 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	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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46					46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4496	4496	4496
5°	4500	4491	4516
10°	4494	4489	4514
15°	4480	4479	4501
20°	4458	4458	4483
25°	4428	4422	4446
30°	4372	4378	4399
35°	4289	4305	4340
40°	4156	4203	4258
45°	4026	4059	4136
50°	3848	3890	3967
55°	3624	3682	3726
60°	3288	3358	3441
65°	2921	2952	3070
70°	2610	2557	2620
75°	2356	2221	2175
80°	2139	1985	1765
85°	1816	1644	1414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.2	3.6
10°-20°	408.0	10.3
20°-30°	617.1	15.6
30°-40°	735.6	18.6
40°-50°	739.7	18.7
50°-60°	627.8	15.9
60°-70°	418.0	10.6
70°-80°	208.7	5.3
80°-90°	55.8	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°	1167.4	29.5
0°-40°	1903.0	48.1
0°-60°	3270.5	82.7
0°-90°	3953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3953.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1500	1500	1500	1500	1500	
5°	1495	1496	1492	1499	1501	142
15°	1444	1445	1443	1449	1450	407
25°	1338	1338	1337	1343	1344	615
35°	1172	1173	1176	1185	1186	731
45°	950	951	957	970	976	730
55°	693	698	704	711	713	618
65°	412	415	416	422	433	413
75°	203	201	192	187	188	218
85°	53	52	48	45	41	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1499.6	1499.6	1499.6	1499.6	1499.6
2.5°	1498.5	1499.6	1495.7	1502.9	1504.6
5°	1495.1	1495.7	1492.4	1499.0	1500.7
7.5°	1487.9	1488.5	1485.1	1492.4	1493.5
10°	1476.2	1477.4	1474.6	1481.2	1482.9
12.5°	1461.2	1462.9	1460.1	1467.4	1468.5
15°	1443.5	1445.1	1442.9	1449.0	1450.1
17.5°	1421.8	1422.9	1421.8	1427.4	1430.7
20°	1397.4	1397.4	1397.4	1402.4	1405.1
22.5°	1366.8	1369.6	1368.5	1375.1	1377.9
25°	1338.5	1338.5	1336.8	1342.9	1344.0
27.5°	1299.0	1303.5	1302.9	1308.5	1309.6
30°	1262.9	1264.0	1264.6	1268.5	1270.7
32.5°	1219.0	1220.1	1221.8	1227.3	1227.9
35°	1171.8	1172.9	1176.2	1184.6	1185.7
37.5°	1116.8	1122.9	1125.7	1134.6	1135.7
40°	1061.8	1065.7	1074.0	1083.4	1087.9
42.5°	1005.6	1010.1	1015.1	1027.9	1031.8
45°	949.5	951.2	957.3	970.1	975.6
47.5°	887.3	892.3	897.9	909.0	912.3
50°	825.1	830.6	834.0	844.0	850.6
52.5°	762.3	767.3	771.2	777.3	784.0
55°	693.4	698.4	704.5	711.2	712.8
57.5°	623.4	628.9	632.8	640.1	647.3
60°	548.4	554.5	560.1	566.7	573.9
62.5°	478.4	481.2	486.7	497.8	508.4
65°	411.7	415.0	416.1	422.3	432.8
67.5°	356.1	356.1	351.1	353.4	365.0
70°	297.8	295.6	291.7	289.5	298.9
72.5°	250.6	247.8	239.5	235.6	240.6
75°	203.4	200.6	191.7	187.2	187.8
77.5°	163.3	158.9	151.7	143.9	142.2
80°	123.9	122.2	115.0	107.8	102.2
82.5°	87.8	83.9	80.0	75.6	71.1
85°	52.8	51.7	47.8	45.0	41.1
87.5°	21.7	21.7	20.6	19.4	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)