

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: P737821

Luminaire Tested: **14PT-40-PL1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737821
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-L940
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

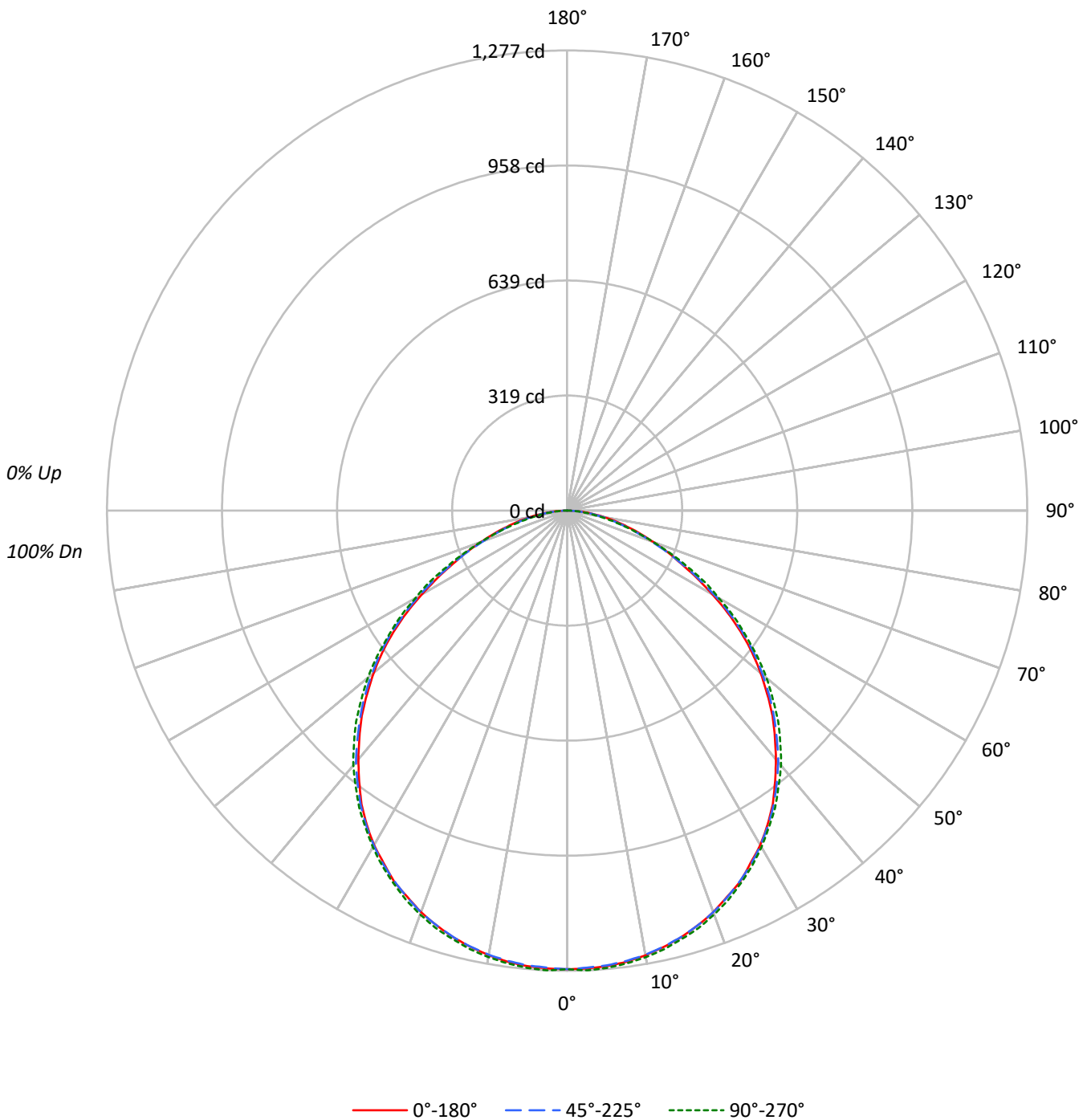
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3355.0 lumens
Efficiency: N/A
Efficacy: 104.5 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°	3816	3816	3816
5°	3819	3812	3833
10°	3814	3810	3832
15°	3803	3801	3820
20°	3784	3784	3805
25°	3758	3753	3773
30°	3710	3716	3733
35°	3640	3654	3683
40°	3527	3567	3614
45°	3417	3445	3511
50°	3266	3301	3368
55°	3076	3125	3162
60°	2791	2850	2921
65°	2479	2506	2606
70°	2216	2170	2224
75°	1999	1885	1846
80°	1816	1685	1499
85°	1541	1397	1201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	3.6
10°-20°	346.3	10.3
20°-30°	523.8	15.6
30°-40°	624.3	18.6
40°-50°	627.8	18.7
50°-60°	532.8	15.9
60°-70°	354.8	10.6
70°-80°	177.1	5.3
80°-90°	47.4	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°	990.8	29.5
0°-40°	1615.1	48.1
0°-60°	2775.7	82.7
0°-90°	3355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3355.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1273	1273	1273	1273	1273	
5°	1269	1269	1267	1272	1274	121
15°	1225	1226	1225	1230	1231	346
25°	1136	1136	1135	1140	1141	522
35°	994	996	998	1005	1006	620
45°	806	807	812	823	828	620
55°	588	593	598	604	605	524
65°	349	352	353	358	367	350
75°	173	170	163	159	159	185
85°	45	44	41	38	35	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1272.7	1272.7	1272.7	1272.7	1272.7
2.5°	1271.8	1272.7	1269.4	1275.6	1277.0
5°	1269.0	1269.4	1266.6	1272.3	1273.7
7.5°	1262.8	1263.3	1260.5	1266.6	1267.5
10°	1252.9	1253.9	1251.5	1257.2	1258.6
12.5°	1240.2	1241.6	1239.3	1245.4	1246.3
15°	1225.1	1226.5	1224.6	1229.8	1230.8
17.5°	1206.7	1207.7	1206.7	1211.4	1214.3
20°	1186.0	1186.0	1186.0	1190.2	1192.6
22.5°	1160.0	1162.4	1161.4	1167.1	1169.5
25°	1136.0	1136.0	1134.6	1139.8	1140.7
27.5°	1102.5	1106.3	1105.8	1110.5	1111.5
30°	1071.8	1072.8	1073.3	1076.6	1078.4
32.5°	1034.6	1035.5	1037.0	1041.7	1042.1
35°	994.5	995.5	998.3	1005.4	1006.3
37.5°	947.8	953.0	955.4	962.9	963.9
40°	901.1	904.4	911.5	919.5	923.3
42.5°	853.5	857.3	861.5	872.4	875.7
45°	805.9	807.3	812.5	823.3	828.1
47.5°	753.1	757.3	762.0	771.5	774.3
50°	700.3	705.0	707.8	716.3	722.0
52.5°	647.0	651.2	654.5	659.7	665.4
55°	588.5	592.7	597.9	603.6	605.0
57.5°	529.1	533.8	537.1	543.2	549.4
60°	465.4	470.6	475.3	481.0	487.1
62.5°	406.0	408.4	413.1	422.5	431.5
65°	349.4	352.3	353.2	358.4	367.3
67.5°	302.3	302.3	298.0	299.9	309.8
70°	252.8	250.9	247.6	245.7	253.7
72.5°	212.7	210.3	203.2	199.9	204.2
75°	172.6	170.2	162.7	158.9	159.4
77.5°	138.6	134.9	128.7	122.1	120.7
80°	105.2	103.7	97.6	91.5	86.8
82.5°	74.5	71.2	67.9	64.1	60.4
85°	44.8	43.9	40.6	38.2	34.9
87.5°	18.4	18.4	17.4	16.5	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)