

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: P737845

Luminaire Tested: **14PT-40-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737845
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-L940
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

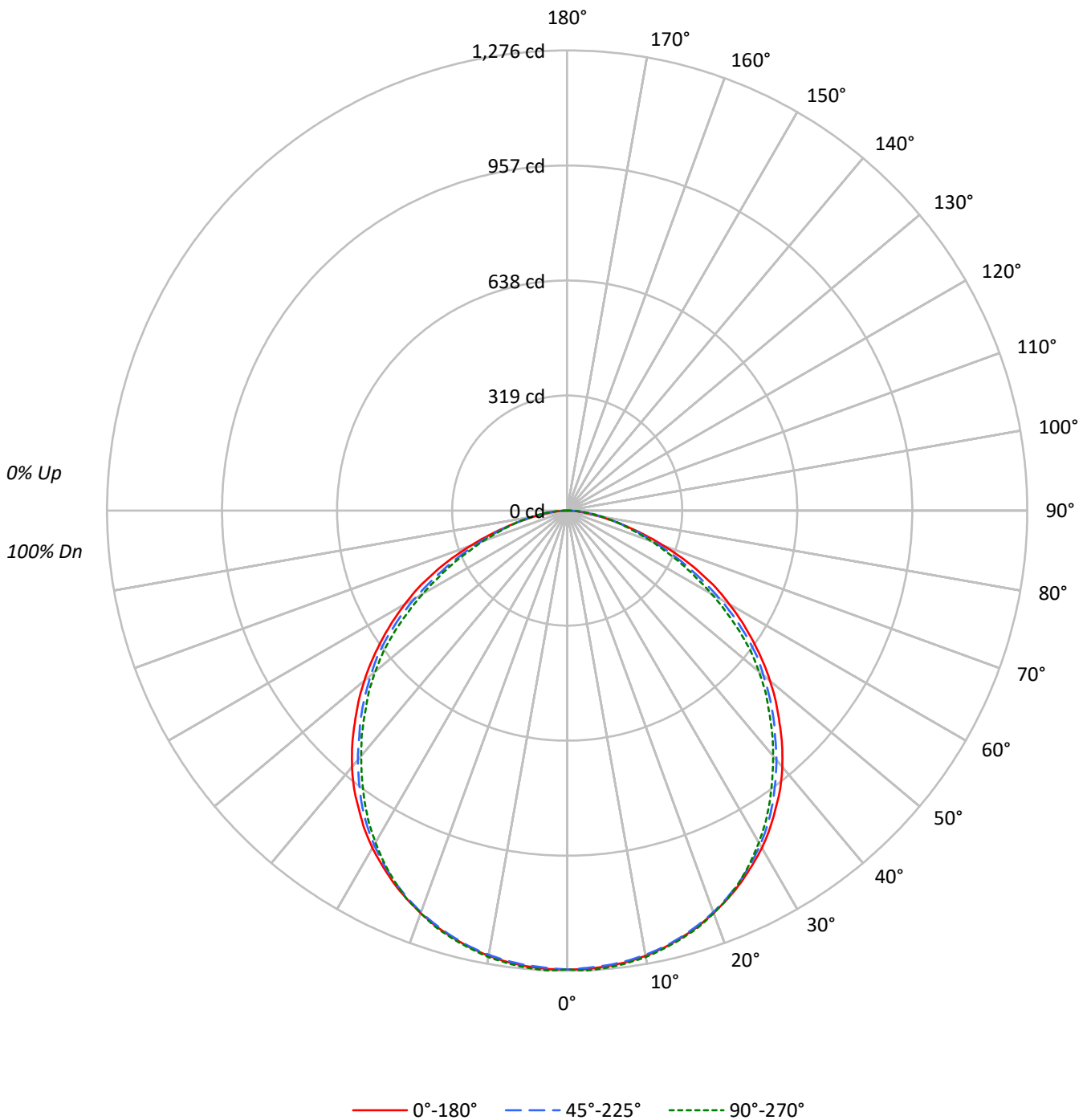
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3377.0 lumens
Efficiency: N/A
Efficacy: 105.2 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 (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	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	47	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°	3815	3815	3815
5°	3818	3810	3830
10°	3817	3808	3827
15°	3805	3799	3814
20°	3789	3780	3789
25°	3768	3753	3750
30°	3740	3707	3681
35°	3690	3634	3588
40°	3633	3534	3479
45°	3532	3428	3358
50°	3426	3314	3237
55°	3283	3172	3046
60°	3113	2929	2776
65°	2880	2616	2485
70°	2496	2277	2191
75°	1994	1950	1895
80°	1514	1694	1694
85°	1118	1445	1445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	3.6
10°-20°	346.1	10.2
20°-30°	523.1	15.5
30°-40°	621.2	18.4
40°-50°	625.8	18.5
50°-60°	540.9	16.0
60°-70°	369.7	10.9
70°-80°	182.3	5.4
80°-90°	47.2	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°	989.9	29.3
0°-40°	1611.1	47.7
0°-60°	2777.8	82.3
0°-90°	3377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3377.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1273	1273	1273	1273	1273	
5°	1269	1269	1266	1271	1273	121
15°	1226	1227	1224	1228	1229	346
25°	1139	1138	1134	1135	1134	525
35°	1008	1005	993	984	980	631
45°	833	824	809	799	792	643
55°	628	626	607	589	583	562
65°	406	391	369	353	350	401
75°	172	171	168	168	164	188
85°	32	38	42	43	42	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1272.6	1272.6	1272.6	1272.6	1272.6
2.5°	1272.1	1272.6	1269.3	1274.9	1276.3
5°	1268.8	1269.3	1266.0	1271.1	1272.6
7.5°	1262.7	1263.6	1259.8	1265.0	1266.0
10°	1253.7	1254.2	1250.9	1256.1	1257.0
12.5°	1241.4	1241.9	1239.1	1243.8	1243.8
15°	1225.9	1227.3	1224.0	1228.2	1228.7
17.5°	1208.4	1208.9	1205.6	1210.3	1211.3
20°	1187.7	1187.7	1184.9	1188.6	1187.7
22.5°	1164.6	1164.6	1161.3	1163.2	1164.1
25°	1139.1	1138.2	1134.4	1135.4	1133.5
27.5°	1109.9	1109.9	1103.3	1103.3	1100.0
30°	1080.2	1077.8	1070.8	1066.5	1063.2
32.5°	1046.2	1042.9	1034.0	1026.4	1024.1
35°	1008.1	1004.8	993.0	984.0	980.2
37.5°	971.3	963.7	948.2	939.2	935.0
40°	928.4	918.9	902.9	890.7	888.8
42.5°	882.2	874.6	853.9	844.9	842.6
45°	833.1	824.2	808.6	799.2	792.1
47.5°	785.0	778.4	760.5	749.2	746.8
50°	734.6	728.9	710.5	698.3	694.0
52.5°	682.3	678.5	662.9	647.4	642.2
55°	628.0	626.1	606.8	588.9	582.8
57.5°	574.8	572.4	548.3	527.6	521.9
60°	519.1	512.0	488.5	469.1	463.0
62.5°	466.3	451.2	425.8	410.7	403.6
65°	406.0	391.3	368.7	352.7	350.3
67.5°	346.5	329.1	311.7	301.8	294.2
70°	284.8	273.0	259.8	251.3	249.9
72.5°	227.3	218.8	212.2	207.0	202.7
75°	172.1	170.7	168.3	168.3	163.6
77.5°	126.4	129.7	131.5	131.1	132.0
80°	87.7	94.3	98.1	98.5	98.1
82.5°	55.6	63.2	69.3	70.3	71.2
85°	32.5	38.2	42.0	42.9	42.0
87.5°	14.6	18.4	19.3	20.3	19.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)