

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: P737837

Luminaire Tested: **14PT-40-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737837
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-L940
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

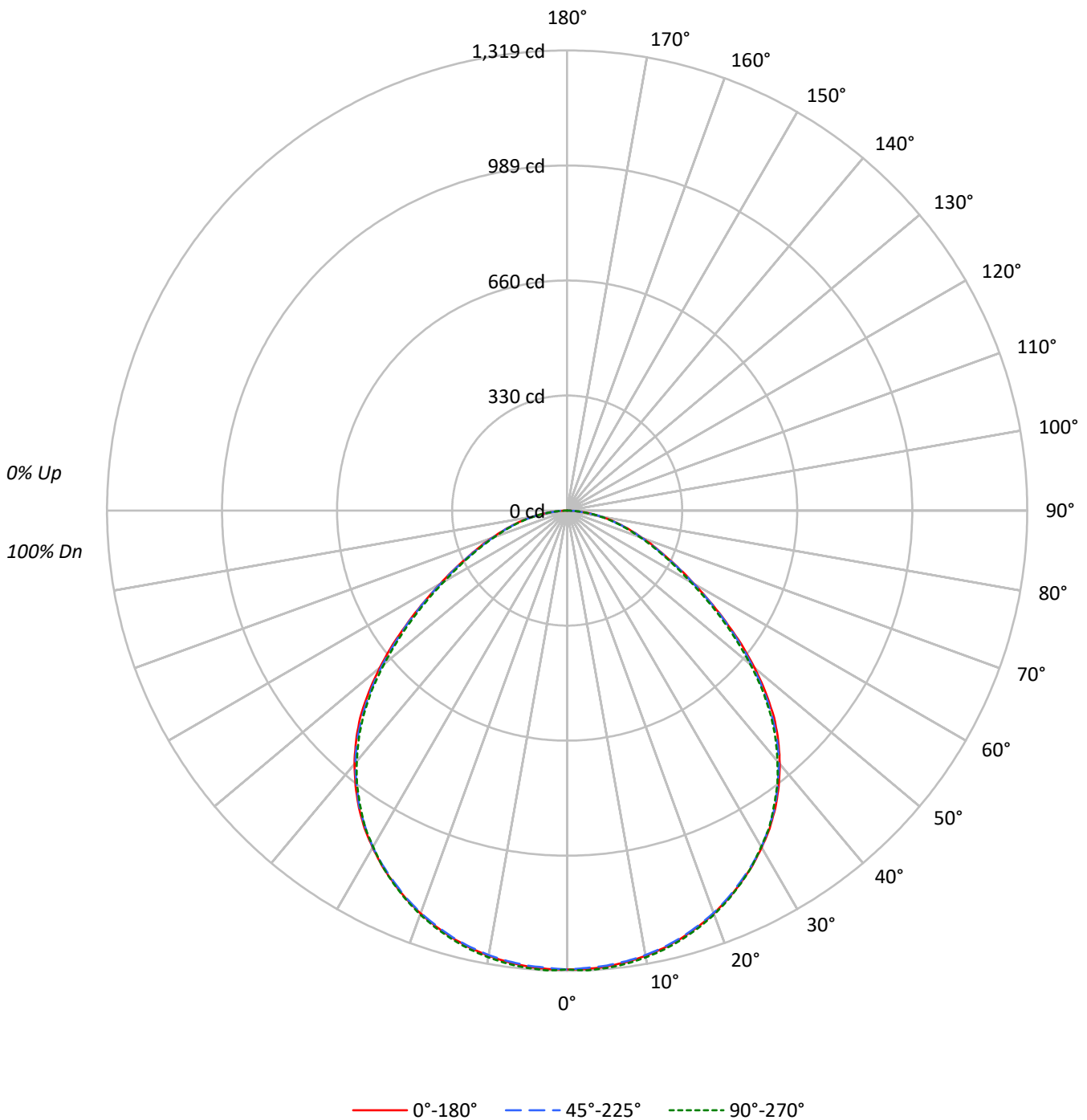
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3327.0 lumens
Efficiency: N/A
Efficacy: 103.6 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_{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	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	73
3	92	82	74	68	90	80	73	68	78	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	45	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		39	33	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3944	3944	3944
5°	3948	3939	3961
10°	3945	3938	3959
15°	3937	3931	3950
20°	3920	3916	3931
25°	3895	3886	3899
30°	3860	3855	3851
35°	3807	3798	3783
40°	3711	3696	3671
45°	3556	3517	3491
50°	3272	3235	3195
55°	2896	2884	2827
60°	2517	2508	2440
65°	2218	2204	2161
70°	2013	1984	1942
75°	1863	1819	1786
80°	1701	1676	1619
85°	1345	1331	1283



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	3.8
10°-20°	358.2	10.8
20°-30°	542.6	16.3
30°-40°	647.8	19.5
40°-50°	637.0	19.1
50°-60°	492.4	14.8
60°-70°	310.5	9.3
70°-80°	167.9	5.0
80°-90°	45.9	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°	1025.6	30.8
0°-40°	1673.3	50.3
0°-60°	2802.7	84.2
0°-90°	3327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3327.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1316	1316	1316	1316	1316	
5°	1312	1312	1309	1315	1316	125
15°	1268	1269	1266	1271	1273	358
25°	1177	1178	1175	1178	1179	543
35°	1040	1041	1038	1036	1034	649
45°	839	836	829	823	823	642
55°	554	559	552	543	541	497
65°	313	313	311	306	305	315
75°	161	159	157	158	154	171
85°	39	40	39	39	37	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1315.5	1315.5	1315.5	1315.5	1315.5
2.5°	1315.1	1315.5	1311.8	1317.9	1319.3
5°	1311.8	1312.2	1308.9	1314.6	1316.0
7.5°	1305.2	1306.1	1302.8	1308.5	1309.9
10°	1295.7	1296.7	1293.4	1299.0	1300.5
12.5°	1283.9	1284.4	1281.6	1286.8	1288.2
15°	1268.4	1268.9	1266.5	1270.7	1272.6
17.5°	1250.5	1250.9	1247.6	1252.8	1253.8
20°	1228.8	1229.3	1227.4	1231.6	1232.1
22.5°	1204.7	1205.7	1202.8	1206.6	1207.1
25°	1177.4	1178.3	1174.6	1178.3	1178.8
27.5°	1148.6	1149.1	1145.8	1148.6	1148.2
30°	1115.1	1118.0	1113.7	1112.8	1112.3
32.5°	1080.3	1080.7	1076.5	1075.5	1077.4
35°	1040.2	1040.6	1037.8	1036.4	1033.6
37.5°	996.3	996.3	991.1	990.2	989.7
40°	948.2	947.8	944.5	941.2	937.9
42.5°	895.9	896.8	890.2	884.6	883.6
45°	838.8	835.5	829.4	822.8	823.3
47.5°	771.4	772.3	763.9	758.7	757.3
50°	701.6	701.6	693.6	687.9	685.1
52.5°	628.5	629.0	621.5	613.9	612.5
55°	554.0	558.8	551.7	542.7	540.8
57.5°	484.3	488.0	481.4	472.0	471.5
60°	419.7	420.1	418.2	409.3	406.9
62.5°	364.5	362.1	361.2	356.5	353.6
65°	312.6	313.1	310.7	305.5	304.6
67.5°	270.7	270.2	265.9	262.6	260.8
70°	229.6	228.2	226.3	223.5	221.6
72.5°	192.9	192.9	191.4	190.5	187.2
75°	160.8	158.9	157.0	158.0	154.2
77.5°	130.1	128.3	126.8	125.0	124.0
80°	98.5	96.7	97.1	94.3	93.8
82.5°	68.4	68.4	67.4	65.1	65.5
85°	39.1	39.6	38.7	39.1	37.3
87.5°	14.1	14.6	15.6	14.6	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)