

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: P737745

Luminaire Tested: **14PT-20-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737745
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-20-PW1-L840
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

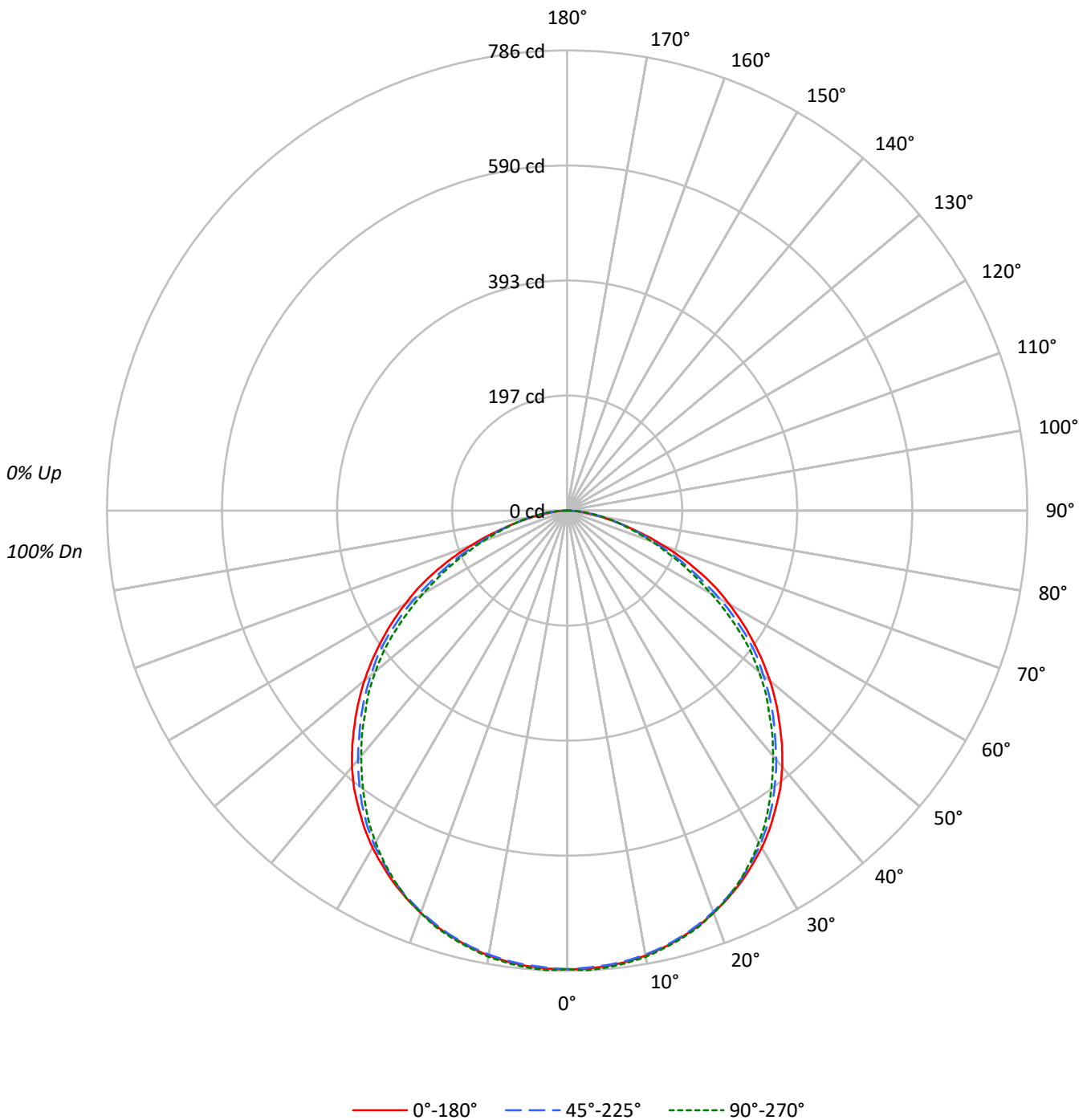
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2079.0 lumens
Efficiency: N/A
Efficacy: 128.3 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): 16.2
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

TEST NUMBER: P737745
CATALOG NUMBER: 14PT-20-PW1-L840

Luminous Intensity Polar Plot





TEST NUMBER: P737745

CATALOG NUMBER: 14PT-20-PW1-L840

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	48	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°	2349	2349	2349
5°	2351	2346	2358
10°	2350	2344	2356
15°	2342	2339	2348
20°	2333	2327	2333
25°	2320	2310	2308
30°	2302	2282	2266
35°	2271	2237	2209
40°	2237	2176	2142
45°	2175	2111	2068
50°	2109	2040	1993
55°	2021	1953	1875
60°	1916	1803	1709
65°	1773	1610	1530
70°	1537	1402	1348
75°	1227	1200	1166
80°	932	1043	1043
85°	688	887	887



TEST NUMBER: P737745

CATALOG NUMBER: 14PT-20-PW1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	3.6
10°-20°	213.1	10.2
20°-30°	322.1	15.5
30°-40°	382.4	18.4
40°-50°	385.3	18.5
50°-60°	333.0	16.0
60°-70°	227.6	10.9
70°-80°	112.2	5.4
80°-90°	29.0	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°	609.4	29.3
0°-40°	991.8	47.7
0°-60°	1710.1	82.3
0°-90°	2079.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2079.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	783	783	783	783	783	
5°	781	781	779	783	783	74
15°	755	756	754	756	756	213
25°	701	701	698	699	698	323
35°	621	619	611	606	604	388
45°	513	507	498	492	488	396
55°	387	386	374	362	359	346
65°	250	241	227	217	216	247
75°	106	105	104	104	101	115
85°	20	24	26	26	26	25
90°	0	0	0	0	0	



TEST NUMBER: P737745

CATALOG NUMBER: 14PT-20-PW1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	783.4	783.4	783.4	783.4	783.4
2.5°	783.1	783.4	781.4	784.9	785.8
5°	781.1	781.4	779.4	782.6	783.4
7.5°	777.3	777.9	775.6	778.8	779.4
10°	771.8	772.1	770.1	773.3	773.9
12.5°	764.3	764.6	762.8	765.7	765.7
15°	754.7	755.6	753.5	756.1	756.4
17.5°	744.0	744.2	742.2	745.1	745.7
20°	731.2	731.2	729.4	731.8	731.2
22.5°	717.0	717.0	714.9	716.1	716.7
25°	701.3	700.7	698.4	699.0	697.8
27.5°	683.3	683.3	679.2	679.2	677.2
30°	665.0	663.6	659.2	656.6	654.6
32.5°	644.1	642.1	636.6	631.9	630.5
35°	620.6	618.6	611.3	605.8	603.5
37.5°	598.0	593.3	583.7	578.2	575.6
40°	571.5	565.7	555.9	548.3	547.2
42.5°	543.1	538.4	525.7	520.2	518.7
45°	512.9	507.4	497.8	492.0	487.7
47.5°	483.3	479.2	468.2	461.2	459.8
50°	452.2	448.8	437.4	429.9	427.3
52.5°	420.0	417.7	408.1	398.5	395.3
55°	386.6	385.5	373.6	362.5	358.8
57.5°	353.8	352.4	337.6	324.8	321.3
60°	319.6	315.2	300.7	288.8	285.0
62.5°	287.1	277.8	262.1	252.8	248.5
65°	249.9	240.9	227.0	217.1	215.7
67.5°	213.3	202.6	191.9	185.8	181.1
70°	175.3	168.1	159.9	154.7	153.8
72.5°	139.9	134.7	130.6	127.4	124.8
75°	105.9	105.1	103.6	103.6	100.7
77.5°	77.8	79.8	81.0	80.7	81.3
80°	54.0	58.1	60.4	60.7	60.4
82.5°	34.3	38.9	42.7	43.2	43.8
85°	20.0	23.5	25.8	26.4	25.8
87.5°	9.0	11.3	11.9	12.5	11.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)